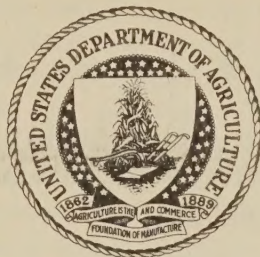
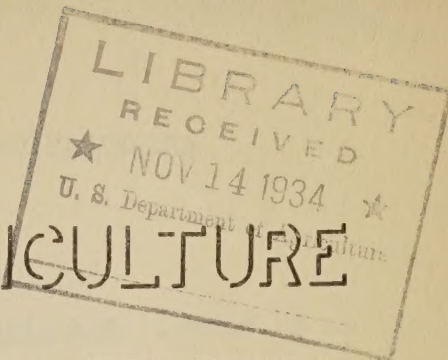


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UNITED STATES
DEPARTMENT OF AGRICULTURE



BUREAU OF
ENTOMOLOGY AND PLANT QUARANTINE
DIRECTORY

NOVEMBER 1, 1934

ORGANIZATION BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Lee A. Strong, Chief

S. A. Rohwer, Assistant Chief

A. S. Hoyt, Assistant Chief

Business Administration.--F. H. Spencer, business manager; B. Connor, assistant business manager.

Editorial Work.--R. P. Currie, entomologist, in charge.

Library.--Mabel Colcord, associate librarian, in charge.

Insect Pest Survey and Information.--J. A. Hyslop, principal entomologist, in charge.

Fruit Insect Investigations.--D. L. Van Dine, principal entomologist, in charge.

Japanese and Asiatic Beetle Investigations.--C. H. Hadley, principal entomologist, in charge.

Mexican Fruit Fly Control.--P. A. Hoidale, senior plant quarantine inspector, in charge.

Date Scale Control.--B. L. Boyden, senior entomologist, in charge.

Japanese Beetle Control.--L. H. Worthley, principal administrative officer, in charge.

Forest Insect Investigations.--F. C. Craighead, principal entomologist, in charge.

Gypsy and Brown Tail Moth Control.--A. F. Burgess, principal entomologist, in charge.

Plant Disease Control.--S. B. Fracker, principal plant quarantine administrator, in charge.

Cereal and Forage Insect Investigations.--P. N. Annand, principal entomologist, in charge.

Truck Crop and Garden Insect Investigations.--W. H. White, principal entomologist, in charge.

Cotton Insect Investigations.--R. W. Harned, principal entomologist, in charge.

Pink Bollworm and Thurberia Weevil Control.--R. E. McDonald, principal administrative officer, in charge.

Bee Culture.--J. I. Hambleton, senior apiculturist, in charge.

Insects Affecting Man and Animals.--F. C. Bishopp, principal entomologist, in charge.

Insect Identification.--H. Morrison, senior entomologist, in charge.

Foreign Parasite Introduction.--C. P. Clausen, senior entomologist, in charge.

Control Investigations.--L. A. Hawkins, principal physiologist, in charge.

Insecticide Division.--R. C. Roark, principal chemist, in charge.

Foreign Plant Quarantines.--E. R. Sasscer, principal entomologist, in charge.

Domestic Plant Quarantines.--B. M. Gaddis, principal plant quarantine administrator, in charge.

BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

The Bureau of Entomology and Plant Quarantine is concerned with investigations on insects and their economic relations; the development and application of methods for their eradication or control; the carrying out, in cooperation with the States, of necessary work to prevent the spread and to control or eradicate insect pests and plant diseases that have gained more or less limited foothold in the United States; and the utilization of those species that are beneficial. These activities include investigations on and direction of control campaigns against the species injurious to agriculture, horticulture, and arboriculture; investigations on the species affecting the health of man and animals, or infesting human habitations or injurious to industries; the culture and use of honeybees and beekeeping practices; investigations on the natural enemies of insects and plant pests and the possibility of using these as aids for control; the taxonomy, anatomy, physiology, and responses of insects; chemical and other problems relating to the composition, action, and application of insecticides; and the development of methods of manufacturing insecticides and materials used with them.

To aid in carrying out these assignments and to protect agriculture from plant pests and diseases, the Bureau is responsible for the enforcement of the following acts and restrictive orders promulgated thereunder: The Plant Quarantine Act of 1912, as amended; the Insect Pest Act of 1905; the Act of 1922 governing the importation of adult honeybees; the Act providing for the Mexican border inspection and control service; the Act providing for export certification to meet sanitary requirements of foreign countries for plants and plant products; the terminal inspection Act of 1915 (in cooperation with the Post Office Department).

- L. A. Strong, Chief of Bureau, Room 5865, South Building, U. S. Department of Agriculture, Washington, D.C. Telephone, District 6350, Extension 2745 and 2746.
- S. A. Rohwer, Assistant Chief of Bureau, Room 5853, South Building. Telephone, District 6350, Extension 2977 and 2986.
- A. S. Hoyt, Assistant Chief of Bureau, Room 5853, South Building. Telephone, District 6350, Extension 4491.

For convenience of administration of its various activities, the Bureau is divided into a number of functional divisions. The names, headquarters, and activities of these follow.

BUSINESS ADMINISTRATION

Room 5845, South Building. Telephone, District 6350, Extension 2980.

This Division is responsible for the business operations of the Bureau. These activities include recording and auditing expenditures; the appointment of employees and recording of all personnel transactions; the purchase of property, supplies, and equipment, and the maintenance of property records; the handling of claims for personal injury or damage to private or government property; the preparation of leases; the maintenance of files

and handling of mail; and the preparation of the budget of estimates of expenditures. The work is divided into the following main units: Accounts; audits; personnel; property and supplies; mail and files; claims and leases; and budget. F. H. Spencer, business manager, in charge; B. Connor, assistant business manager.

EDITORIAL OFFICE

Room 6242, South Building. Telephone, District 6350, Extension 4302.

The editorial office is responsible for the editorial review and editing of scientific, technical, semitechnical, and popular manuscripts submitted for publication by the Department or other agencies. It issues all requests for printing, and arranges for the publication of manuscripts published by the Department. R. P. Currie, entomologist, in charge; J. F. Schumacher, first assistant.

LIBRARY

Rooms 1417 - 1431, South Building. Telephone, District 6350, Extension 2982.

The functions of the Library unit are to maintain an extensive collection of books on all phases of entomology; to preserve and index special record material such as the extensive collection of photographs of entomologists; to prepare indexes of entomological literature and bibliographies on special subjects; and to do other work related to publication on entomology. To aid the workers, it issues under the title "Entomology Current Literature", a bimonthly list of the principal accessions to the library. Miss Mabel Colcord, associate librarian, in charge; I. L. Hawes, first assistant.

INSECT PEST SURVEY AND INFORMATION

Room 6840, South Building. Telephone, District 6350, Extension 2991.

This Division keeps a file of records on insect pests, noting seasonal abundance, distribution, and damage, and issues a monthly bulletin and an annual summary on insect conditions. It handles routine inquiries on insect pests and regulatory matters which can be largely answered by sending publications. It edits notices of plant quarantines and restrictive orders, Service and Regulatory Announcements of the Bureau, and the Bureau News Letter. The office has general charge of illustrations and exhibits and the distribution of entomological and regulatory information. J. A. Hyslop, principal entomologist, in charge; R. C. Althouse, first assistant.

FRUIT INSECT INVESTIGATIONS

Room 5435, South Building. Telephone, District 6350, Extension 2987.

The functions of this Division are concerned with investigations on and the development of control measures for insects affecting fruits, fruit trees, nuts, grapes, and those small fruits which have their seeds internally, such as blueberries and cranberries. Headquarters for these investigations are in Washington, but practically all of the operations are carried on at field laboratories maintained in the principal fruit-growing regions of the country. D. L. Van Dine, principal entomologist, in charge; B. A. Porter, first assistant.

JAPANESE AND ASIATIC BEETLE INVESTIGATIONS

Moorestown, N. J. Telephone, Moorestown 854.

This Division is concerned with studies on the life history, habits, and development of Japanese and Asiatic beetles and the development of methods of control and prevention of spread. The activities include studies to protect crops in the affected area from damage by these pests, the development of methods of disinfecting products likely to carry the pests into unaffected areas, and the rearing and colonization of parasites or other natural enemies. Headquarters for the Division are at Moorestown, N. J., where most of the field activities and laboratory studies are carried on. Field experiments are carried on at other places in the infested area. C. H. Hadley, principal entomologist, in charge; J. L. King, first assistant.

MEXICAN FRUIT FLY CONTROL

503 Rio Grande National Life Building, Harlingen, Tex. Telephone, 592.

To prevent reinfestation by the Mexican fruit fly in the lower Rio Grande Valley in Texas and to perpetuate and maintain the eradication results which have already been effected, involving the maintenance of a host-free period during the summer months; inspection of citrus groves and certification of fruits leaving the quarantined area; and the enforcement of other regulatory measures necessary to eradicate this pest in the United States. P. A. Hoidale, senior plant quarantine inspector, in charge; M. H. Ford, first assistant.

DATE SCALE ERADICATION

Room 6, First National Bank Building, Indio, Calif. Telephone, 2691.

The objective of this Division is the eradication of the *Parlatoria* date scale. The activities carried on to attain this end are: Enforcement of the quarantine regulations to prevent the spread of the insect; scouting to locate hosts of the scale; inspection to locate infested palms; and treatment to eliminate scale on infested palms. The territory covered by the project is the arid Southwest, principally Arizona and California. B. L. Boyden, senior entomologist, in charge; A. E. Cavanagh, first assistant.

JAPANESE BEETLE CONTROL

2101 North Sixth Street, Harrisburg, Pa. Telephone, 4-0118.

This Division is concerned with quarantine and control activities designed to prevent the spread of the Japanese beetle, and the enforcement of Federal and/or State quarantines on the brown-tail and gypsy moths, European corn borer, satin moth, and the eradication of the Dutch elm disease. The activities are carried on in cooperation with the States concerned and involve the application of control measures in cases of isolated infestations of the Japanese beetle, removal and destruction of diseased trees, the inspection and certification of products regulated by the various quarantines, supervision of nurseries and greenhouses, and the maintenance of road patrols on the border of regulated zones to prevent the movement of uncertified quarantined articles. L. H. Worthley, principal administrative officer, in charge; C. W. Stockwell and A. E. Fivaz, first assistants.

FOREST INSECTS

Room 4340, South Building. Telephone, District 6350, Extension 2832.

Investigations of the insects which injure forest, shade, and ornamental trees and shrubs and crude and finished forest products. These include leaf-eating insects, bark beetles, insects that bore into living or dead trees or logs, and also those that damage lumber and wood that has already been utilized in the construction of buildings or in manufactured articles. Special studies are being made of introduced forest pests, such as the gypsy moth, brown-tail moth, satin moth, beech scale, and the insects associated with the Dutch elm disease.

An important function of the Division is its cooperative work with such forest administrative agencies as the Forest Service, Park Service, and Bureau of Indian Affairs, to whom it acts as technical adviser in insect control projects. F. C. Craighead, principal entomologist, in charge; M. W. Blackman, first assistant.

GYPSY AND BROWN-TAIL MOTH CONTROL

20 Sanderson Street, Greenfield, Mass. Telephone, 3648.

To exterminate the gypsy moth in the present restricted areas in Pennsylvania, New Jersey, and New York; to maintain a barrier zone throughout which an effort will be made to locate and exterminate all colonies as a means of preventing the westward spread of this insect--such zone comprising a strip of territory 20 to 30 miles wide along the western border of the New England States and the eastern border of New York from Long Island Sound to Canada. A. F. Burgess, principal entomologist, in charge; S. S. Crossman, first assistant.

PLANT DISEASE CONTROL

Room 4829, South Building. Telephone, District 6350, Extension 4368.

In cooperation with the affected States and Federal agencies, this Division undertakes the eradication or control of plant diseases of major economic importance such as the white pine blister rust and the black stem rust of grain. This is accomplished by surveys to determine their occurrence, by the destruction of the diseased plants or the alternate host plants to effect their eradication or control, by quarantine enforcement to prevent their artificial spread, by the improvement and development of better control measures, and by leadership, technical direction, and supervision, to coordinate the control activities of the several cooperating agencies. The essential features of this work consist of the cooperative eradication of currant and gooseberry plants to control the white pine blister rust in the important white pine forest regions of the country, and the eradication of barberry and mahonia plants in cooperation with the 13 grain-growing States of the Middle West to control the black stem rust of wheat and other small grains. S. B. Fracker, principal plant quarantine administrator, in charge; G. B. Posey, first assistant.

CEREAL AND FORAGE INSECT INVESTIGATIONS

Room 3829, South Building. Telephone, District 6350, Extension 2990.

Investigations of the insects affecting cereal and forage crops, including sugarcane and rice. Also the research work on the European corn borer and the conduct of control campaigns directed against grasshoppers, mormon cricket, and chinch bugs. The service provided by this work is distributed throughout practically all of the important corn, small grain, and forage-producing States. P. N. Annand, principal entomologist, in charge; W. R. Walton, first assistant.

TRUCK CROP AND GARDEN INSECT INVESTIGATIONS

Room 4339, South Building. Telephone, District 6350, Extension 4386.

Investigations of the habits and development and the determination of control methods for insect pests and spider mites, millipeds, slugs, and snails, which affect vegetables, greenhouse ornamentals, bulbs, and out-door ornamental plants (other than hardy shrubs); small fruits, such as raspberries, blackberries, loganberries, and strawberries; and also sugar beets, tobacco, and mushrooms. Investigations on the European earwig are also included in the work of this Division. W. H. White, principal entomologist, in charge; D. J. Caffrey, first assistant.

COTTON INSECT INVESTIGATIONS

Room 6243, South Building. Telephone, District 6350, Extension 2596.

This Division has charge of the research work on cotton insects. The principal insects investigated include the boll weevil, the Thurberia weevil, cotton bollworm, pink bollworm, root aphids, leaf worm, cotton flea-hopper, and other hemipterous insects of cotton. Other insects of local importance are also studied. R. W. Harned, principal entomologist, in charge; U. C. Loftin, first assistant.

PINK BOLLWORM AND THURBERIA WEEVIL CONTROL

521 Avenue A, San Antonio, Tex. Telephone, Fannin 8721.

To prevent the spread of the pink bollworm of cotton and, where possible, to effect its eradication; and to prevent the spread of the Thurberia weevil. This work involves scouting to determine the range of infestation, clean-up operations, the enforcement of quarantine restrictions on movement of articles covered, including the supervision of vacuum fumigation plants and cotton compresses, inspection of mills, gins, rolling stock, automotive equipment, and other possible carriers of these pests, and the maintenance of road stations on highways to prevent the movement of contraband material to uninfested localities. R. E. McDonald, principal administrative officer, in charge; F. S. Puckett, first assistant.

BEE CULTURE

Chevy Chase, Md. (Somerset) Telephone, Wisconsin 3041.

Investigations dealing with the practical and scientific aspects of beekeeping, including the production of honey and wax, and the use of honeybees in the pollination of orchard and farm crops. J. I. Hambleton, senior apiculturist, in charge; W. J. Nolan, first assistant.

INSECTS AFFECTING MAN AND ANIMALS

Room 6342, South Building. Telephone, District 6350, Extension 4383 and 4384.

This Division is concerned with investigations on insects which attack man or injure him by carrying diseases, annoy him at home or afield, or destroy household supplies, fabrics, drugs, etc., including those held in dwellings, hotels, hospitals, commissaries, warehouses, manufacturing establishments, etc. It is also concerned with investigations of insect pests of farm and range animals, as well as those which attack poultry, birds, and wild life, and with the development of methods for their control or eradication. F. C. Bishopp, principal entomologist, in charge; J. L. Webb, first assistant.

INSECT IDENTIFICATION

Room 3248, South Building. Telephone, District 6350, Extension 4378.

(Mostly located in the U. S. National Museum, Natural History Building).

This Division maintains informal cooperative relations with the United States National Museum. Insofar as its facilities permit, this Division attempts the identification of all stages of insects that are of interest in economic entomology, performing this service for the Bureau, for other Bureaus of the Department of Agriculture, for plant quarantine agencies, for State and experiment station entomologists, and for research workers engaged on entomological problems both within the United States and throughout the world. As a part of such work, research papers on the identification and classification of different groups of insects are prepared and published. H. Morrison, senior entomologist, in charge; C. F. W. Muesebeck, first assistant.

FOREIGN PARASITE INTRODUCTION

Room 5868, South Building. Telephone, District 6350, Extension 2979.

The investigation of the natural enemies of insect pests in foreign countries, including collection and importation into the United States and supervision over the handling of the foreign material until released from quarantine. Also the coordination of biological control activities involving other divisions and State organizations. C. P. Clausen, senior entomologist, in charge.

CONTROL INVESTIGATIONS

Room 5447, South Building. Telephone, District 6350, Extension 2590.

The work of this Division includes fundamental investigations on the physiology of insects and the effect of insecticides and insecticidal treatments on insects, and studies on application of sterilization and disinfection treatments to plants and plant products under quarantine regulations. L. A. Hawkins, principal physiologist, in charge.

INSECTICIDES

Room 5827, South Building. Telephone, District 6350, Extension 2016.

Investigation to develop better insecticides, attractants, repellents, and materials used with them, including chemical and physical problems relating to their composition, action, application, and manufacture.

Especial attention is directed to the development of new insecticides, particularly those that can be used in place of lead arsenate and other poisonous materials, and the determination of the most effective chemical means of removing harmful spray residues from fruits and vegetables. R. C. Reark, principal chemist, in charge; C. M. Smith, first assistant.

FOREIGN PLANT QUARANTINES

Room 4859, South Building. Telephone, District 6350, Extension 4493.

The Division of Foreign Plant Quarantines administers 34 quarantines and regulatory orders prohibiting or regulating the entry of plants and plant products from foreign countries, Puerto Rico, and Hawaii; the rules and regulations governing the movement of plants and plant products into and out of the District of Columbia; the insect pest act of 1905, and the rules and regulations governing the inspection and certification of plants and plant products offered for export to meet the sanitary requirements of foreign countries. The work involves the inspection and, when necessary, treatment of plants and plant products, vessels, railway cars, airplanes, automobiles, and other vehicles, mail packages and baggage; the field inspection of plants imported under special permit and grown under agreement; inspection of plant introduction gardens of the Bureau of Plant Industry; inspection of fruits and vegetables in the field and at the point of shipment in Hawaii and Puerto Rico; the enforcement of the insect pest act of 1905 as it pertains to the importation and interstate movement of living insect pests; and the inspection and certification of plants and plant products to meet the sanitary requirements of foreign countries. E. R. Sasscer, principal entomologist, in charge; G. G. Becker, first assistant.

DOMESTIC PLANT QUARANTINES

Room 4866, South Building. Telephone, District 6350, Extension 2587.

The work of this Division provides for the administration of various domestic plant quarantines for which no separate units have been organized. It assists the chief in drafting domestic quarantines and is also responsible for drafting certificates and other legal forms. This Division directs the field work connected with the control and prevention of spread of the phony peach disease and the eradication of citrus canker, supervises transit inspection carried on at various points throughout the United States, and enforces the domestic quarantines on account of Woodgate rust and narcissus bulb pests. B. M. Gaddis, principal plant quarantine administrator, in charge; R. A. Sheals, first assistant.

F I E L D A C T I V I T I E S O F T H E B U R E A U

In the following list the terms "office" and "laboratory" refer to units which report directly to the chief of the division. The terms "suboffice" and "sublaboratory" refer to units which report through an office or laboratory. The terms "district office" and "district laboratory" refer to units which report through a suboffice or sublaboratory.

ALABAMA

Mobile

Office, division of foreign plant quarantines.--Room 2, Federal Building.
P. O. Box 1413. Telephone, Belmont 3132. J. R. Wood, junior plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

ARIZONA

Buckeye

Sublaboratory of Tucson, Ariz., laboratory, division of cotton insect investigations. P. O. Box 267. (Open from June to November.) T. C. Barber, assistant entomologist, in charge.

Investigation of cotton stainers and other hemipterous insects of cotton--life histories, host relationships, seasonal and geographical distribution, control with insecticides.

Douglas

Office, division of foreign plant quarantines.--Room 207, U. S. Inspection Station. P. O. Box 943. R. O. Collier, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Naco

Office, division of foreign plant quarantines.--Customhouse, P. O. Box 94.
W. R. Sudduth, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Nogales

Office, division of foreign plant quarantines.--R. R. Station Building.
Telephone, 526. C. E. Bellis, associate plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Phoenix

Office, division of date scale eradication.--State Entomologist's Office, State Office Building. P.O. Box 1117. C. H. Rothe, assistant plant quarantine inspector, in charge.

Eradication of Parlatoria date scale; enforcement of quarantines to prevent spread of scale.

In cooperation with State Entomologist.

Sasabe

Office, division of foreign plant quarantines. C. H. Wallis, junior plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Tempe

Laboratory, division of truck crop and garden insect investigations.--415 East Eighth Street. P. O. Box 352. Telephone, Tempe 36. K. B. McKinney, assistant entomologist, in charge.

Investigations of insects attacking lettuce.

Laboratory, division of cereal and forage insect investigations.--415 East Eighth Street. Telephone, Tempe 36. V. L. Wildermuth, senior entomologist, in charge.

Studies of the southwestern corn borer; control of the alfalfa seed chalcid; colonization and liberation of parasites of the range caterpillar; and grasshopper control.

In cooperation with the State Agricultural Experiment Station.

Tucson

Office, division of cotton insect investigations.--Room 232, Post Office Building, Broadway and Scott Streets. P. O. Box 1910. Telephone, 1519. T. P. Cassidy, entomologist, in charge.

Thurberia weevil investigations, including distribution of the native host plant. Investigations of cotton stainers and other hemipterous insects of cotton.

Office, division of pink bollworm and Thurberia weevil control.--Federal Building. P. O. Box 449. Telephone, 1960. S. D. Smith, associate plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm and the Thurberia weevil in the State of Arizona.

In cooperation with the State Department of Agriculture.

CALIFORNIA

Alhambra

Laboratory, division of truck crop and garden insect investigations.--1208 East Main Street. Telephone, Alhambra 1056. R. E. Campbell, entomologist, in charge.

Investigations of the pepper weevil, wireworms, and arsenical substitutes for the control of cole-crop pests.

Berkeley

Office, division of plant disease control.--Room 26, Giannini Hall, University of California. Telephone, Ashbury 5252. H. R. Offord, agent in charge.

Laboratory and field tests of chemicals to develop practical methods for eradication of wild currant and gooseberry plants.

In cooperation with the University of California.

Laboratory, division of forest insect investigations.--341 Giannini Hall, University of California. Telephone, Ashbury, 7747. J. M. Miller, senior entomologist, in charge.

Bark beetle investigations and supervision of bark beetle control projects in National Forests and National Parks in California.

In cooperation with Federal Forest Service, National Park Service, Bureau of Indian Affairs, with State Forestry Department, University of California, and with organizations of private owners of forest land.

Calexico

Office, division of foreign plant quarantines.--Room 205, Federal Inspection Building. P. O. Box 715. Telephone, 428. O. A. Pratt, associate plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Davis

Laboratory, division of bee culture.--Second floor, Animal Husbandry Building, Agricultural College. F. E. Todd, associate apiculturist, in charge.

Studies in connection with the economic aspects of the bee industry; and the use of bees in the pollination of orchard and farm crops.

In cooperation with the University of California and the Oregon Experiment Station.

El Centro

Office, division of date scale control.--County Agricultural Commissioner's Office, Court House. Telephone, 704 R. 1. H. W. Gray, agent, in charge.

Eradication of *Parlatoria* date scale; enforcement of quarantine to prevent spread of scale.

In cooperation with the State Department of Agriculture.

Eureka

Office, division of foreign plant quarantines.--Court House, 528 J Street. Telephone, 797. E. Mills, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with State Department of Agriculture.

Fresno

Laboratory, division of fruit insect investigations.--712 Elizabeth Street. Telephone, 2-8631. P. Simmons, entomologist, in charge.

Headquarters for dried fruit insect investigations. Studies on biology and control of insects infesting dried fruit, including the raisin moth, the dried fruit beetle, and *Blastophaga*.

In cooperation with the Dried Fruit Association of California.

Indio

Divisional headquarters, division of date scale control.--Office building on the premises of the California Date Growers Association. P. O. Box 37. Telephone, 2691. B. L. Boyden, senior entomologist, in charge.

Eradication of *Parlatoria* date scale; quarantine enforcement, inspection, and issuing permits for movement of off-shoots.

In cooperation with Arizona State Entomologist, and California Department of Agriculture.

Los Angeles

Office, division of foreign plant quarantines.--524 North Spring Street. Telephone, Mutual 9211. G. R. Gorton, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with State Department of Agriculture.

Modesto

Laboratory, division of truck crop and garden insect investigations.--425 Santa Rita Avenue. P. O. Box 208. Telephone, Modesto 964. W. C. Cook, entomologist, in charge.

Headquarters of beet insect investigations, primarily the beet leafhopper.

In cooperation with the States of California, Utah, Idaho, and Colorado.

Oakland

Office, division of foreign plant quarantines.--829 Harrison Street. Telephone, Lakeside 5514. F. C. Brosius, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with State Department of Agriculture.

Office, division of plant disease control.--102 Administration Building, Government Island. Telephone, Andover 6310. W. V. Benedict, forester, in charge.

Cooperative control of white pine blister rust on important white pine areas in California and Oregon by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Federal Forest Service and National Park Service, pine owners, and other local agencies.

Sacramento

Office, division of foreign plant quarantines.--State Office Building, Telephone, Capital 2800. A. C. Fleury, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with State Department of Agriculture.

Laboratory, division of cereal and forage insect investigations.--Room 272, Federal Building, 9th and I Streets. Telephone, Main 3461. W. B. Cartwright, entomologist, in charge.

Hessian fly control under conditions peculiar to California; the pea aphid on alfalfa; cutworms, grasshoppers and field crickets.

In cooperation with the Bureau of Plant Industry, U. S. Department of Agriculture and the Agricultural Experiment Station, University of California.

Suboffice of Oakland, Calif., office, division of plant disease control.--Room 215, Federal Building. Telephone, Main 1638. G. A. Root, associate pathologist, in charge.

State leader in cooperative control of white pine blister rust on important white pine areas in California by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State Department of Agriculture, State Board of Forestry, and College of Agriculture, University of California.

Santa Barbara

Office, division of foreign plant quarantines.--Court House. Telephone, 3600. E. S. Kellogg, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with State Department of Agriculture.

Santa Paula

Office, division of foreign plant quarantines.--County Agricultural Building. Telephones, 258 and 558. A. H. Call, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with State Department of Agriculture.

San Diego

Office, division of foreign plant quarantines.--Broadway Pier Building. P. O. Box 617. Telephone, Main 2574. P. M. Howard, collaborator, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

In cooperation with State Department of Agriculture.

San Francisco

Office, division of foreign plant quarantines.--Room 24, Agriculture Building. Telephone, Garfield 7827. C. E. Cooley, plant quarantine inspector, in charge.

Supervision of the enforcement of foreign plant quarantines and of the inspection and certification of plants and plant products for export in California.

Office, division of foreign plant quarantines.--Room 2, Agriculture Building, Telephone, Exbrook 1350. H. M. Armitage, collaborator, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

In cooperation with State Department of Agriculture.

San Luis Obispo

Office, division of foreign plant quarantines.--Telephone, 1344. T. Chalmers, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with State Department of Agriculture.

San Pedro

Office, division of foreign plant quarantines.--Room 205, Ferl Building. P. O. Box 391. Telephone, 346. A. P. Messenger, collaborator, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

In cooperation with State Department of Agriculture.

San Ysidro

Office, division of foreign plant quarantines.--Room 229, Federal Building. Telephone, 2401. L. Schoening, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Ventura

Laboratory, division of truck crop and garden insect investigations.--P. O. Box A-3. Telephone, 5636. R. Cecil, associate entomologist, in charge.

Investigations of the lima bean pod borer.

Whittier

Laboratory, division of fruit insect investigations.--724 Earlham Drive. Telephone, 432-10. B. L. Boyden, senior entomologist, in charge.

Investigations on California red scale; the orange thrips; black and citricola scales; orange calyx worm; the red date scale, the date mite and the cicada attacking dates.

In cooperation with the California Citrus Experiment Station (Riverside), Whittier District Fruit Exchange.

CANAL ZONE

Balboa

Laboratory, division of fruit insect investigations.--Building 0902 Amador Road. P. O. Drawer Z. Telephone, 245. J. Zetek, associate entomologist, in charge.

Regional laboratory for fruit fly investigations. Biology, host fruit relations, and control of the Central American fruit flies.

COLORADO

Fort Collins

Office, division of plant disease control.--Botany Building, State Agricultural College. P. O. Box 276. Telephone, Botany, 3-rings. E. A. Lungren, associate pathologist, in charge.

Field direction and general supervision of cooperative program to locate and destroy the common barberry in Colorado and Wyoming, to control the black stem rust of grain.

In cooperation with the State Agricultural College, State Department of Agriculture, and independent agricultural agencies.

Grand Junction

Laboratory, division of truck crop and garden insect investigations.--Book-cliffe Avenue, between 7th and 12th Streets. P. O. Box 838. Telephone, Grand Junction, 223-W. W. A. Shands, assistant entomologist, in charge.

Investigations of the beet leafhopper.

CONNECTICUT

Gansan

Office, division of gypsy and brown-tail moth control.--Salisbury Road. P. O. Box 141. Telephone, 322. S. E. May, principal scientific aide, in charge.

District supervision of scouting and control work against the moths in the State of Connecticut.

In cooperation with the State of Connecticut.

New Haven

Suboffice of Boston, Mass. office, division of plant disease control.--State Agricultural Experiment Station, 153 Huntington Street. P. O. Box 1106. Telephone, 5-6191. J. E. Riley, Jr., associate pathologist, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Connecticut by eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State Agricultural Experiment Station, and the State Agricultural College, Extension Division.

Laboratory, division of forest insect investigations.--Northeastern Forest Experiment Station, 335 Prospect Street. Telephone, 8-3580. H. J. [unclear] assistant entomologist, in charge.

Investigations of the white pine weevil, the balsam louse, beech scale, and white grubs in forest nurseries and other problems pertaining to the growth and management of New England forests to avoid insect injury.

In cooperation with Forest Service, U. S. Department of Agriculture, Yale School of Forestry, and Harvard Forest at Petersham, Mass., New York State College of Forestry, and organizations of private timberland owners.

Suboffice of Boston, Mass. office, division of Japanese beetle control.--State Agricultural Experiment Station, 123 Huntington Street. P. O. Box 1106. Telephone, New Haven 5-5078. J. P. Johnson, agent, in charge.

Enforcement of the Japanese beetle quarantine in Connecticut, including supervision of inspection and certification, and nursery and greenhouse scouting. Joint corn borer and gypsy and brown-tail moths inspection services are also maintained in this area.

In cooperation with the State Agricultural Experiment Station.

Sublaboratory of Toledo, Ohio laboratory, division of cereal and forage insect investigations. Northeast Forest Experiment Station. 335 Prospect Street. C. H. Batchelder, associate entomologist, in charge.

Insecticide investigations in control of the European corn borer.

In cooperation with the State Experiment Station.

Stamford

Office, division of Japanese beetle control.--Room 316, 200 Atlantic Street. Telephone, 31300. L. R. Fate, chief scientific aide, in charge.

State leader in scouting for and cooperating with the State in the eradication of the Dutch elm disease.

In cooperation with the State Department of Agriculture.

DELAWARE

Dover

Office, division of Japanese beetle control.--Room 210, New Post Office Building. Telephone, Dover 842. W. E. Cranston, agent, in charge.

Enforcement of the Japanese beetle quarantine in Delaware, including supervision of inspection and certification, and nursery and greenhouse scouting.

In cooperation with the State Board of Agriculture.

DISTRICT OF COLUMBIA

Washington

Laboratory, division of truck crop and garden insect investigations.--12th and Constitution Avenue, N. W. Telephone, District 6350, Extension 2598.

C. A. Weigel, senior entomologist, in charge.

Investigations of greenhouse and ornamental plant insects; also mushroom insects.

Laboratory, division of insect identification.--Room 3248 South Building, U. S. Department of Agriculture. Telephone, District 6350, Extension 4378. H. L. Morrison, senior entomologist, in charge.

Identification of all stages of insects for this Bureau, for other Bureaus of the U. S. Department of Agriculture, for the State and experiment station entomologists and others. The specialists now attached to the staff and engaged full time on this work include the following: Beetles, H. S. Barber, Adam G. Boving, L. L. Buchanan, and W. S. Fisher; moths and butterflies, Foster H. Benjamin, August Busck, Carl Heinrich, and William Schaus; flies (Diptera), C. T. Greene and Alan Stone; Hymenoptera, R. A. Cushman, A. B. Gahan, Grace Sandhouse, and C. F. W. Muesebeck; grasshoppers and American neuropteroids, A. N. Caudell; mites and ectoparasites, H. E. Ewing; bugs, H. G. Barber, P. W. Mason and P. W. Oman; scale insects, Harold Morrison; and insect morphology, R. E. Snodgrass.

Suboffice of Richmond, Va., office, division of Japanese beetle control.--Inspection House, 12th Street and Constitution Avenues, N.W. Telephone, District 6356, Extension 2589. C. E. Eiffler, agent, in charge.

Enforcement of the Japanese beetle quarantine in the District of Columbia, and in Arlington, Fairfax, Prince William, and Stafford Counties, Va.

In cooperation with the Virginia Department of Agriculture and Immigration.

Office, division of plant disease control.--Room 4830, South Building. Telephone, District 6350, Extension 4373. R. G. Pierce, associate pathologist, in charge.

Regional field direction and general supervision of cooperative program to establish and maintain control of the white pine blister rust disease in important white pine areas in the Southern Appalachian States by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Federal Forest Service and the National Park Service, the States of Georgia, Kentucky, Maryland, North Carolina, South Carolina, Tennessee, Virginia, and West Virginia.

Office, division of foreign plant quarantines.--Inspection House, 12th Street and Constitution Avenue, N.W. Telephone, District 6350, Extension 4495 and 4496. P. Bisset, senior horticulturist, in charge.

Enforcement of foreign plant quarantines and the inspection of domestic plants entering and leaving the District of Columbia.

Laboratory, division of insecticides.--Room 103, Bureau Chemistry Building, U. S. Department of Agriculture. Telephone, District 6350, Extension 2343. C. M. Smith, senior chemist, in charge.

Development of new insecticides, investigation of existing ones, analysis of insecticides for this Bureau, cooperation in spray residue removal studies with Bureau of Plant Industry. The specialists now attached to the staff and engaged full time on this work include the following: Synthetic organic insecticides, F. B. LaForge, H. L. Haller, C. R. Smith, L. E. Smith; insecticidal plants, E. P. Clark, H. A. Jones; spray residue removal, C. R. Gross; arsenical insecticides, O. A. Nelson, F. E. Dearborn; fluorine-containing insecticides, R. H. Carter; testing of insecticides against fish, W. A. Gersdorff; physico-chemical investigations of wetters and spreaders, H. L. Cupples; miscellaneous analytical work, S. I. Gertler, R. T. Capen; preparation of water-insoluble nicotine compounds, L. N. Markwood.

FLORIDA

Fort Pierce

Sublaboratory of Savannah, Ga., laboratory, division of insects affecting man and animals.--Court House. P. O. Box 213. J. B. Hull, junior entomologist, in charge.

Studies in the control of sand flies.

Gainesville

Office, division of foreign plant quarantines.--State Plant Board of Florida. Telephone, 341. J. H. Montgomery, collaborator, in charge.

Headquarters for the enforcement of foreign plant quarantines and the inspection and certification of plants and plant products for export in the State of Florida.

In cooperation with State Plant Board.

Jacksonville

Office, divisions of foreign and domestic plant quarantines.--422 Federal Building. P. O. Box 1713. Telephone, 5-2281. P. Thomas, collaborator, in charge.

Inspection of express, parcel post, and freight, moving from, to and through Jacksonville by rail and boat, in foreign and interstate commerce, for the enforcement of foreign and domestic plant quarantines.

In cooperation with State Plant Board.

Key West

Office, division of foreign plant quarantines.--Room 203, New Federal Building. P. O. Box 990. Telephone, 299. R. G. Milner, collaborator, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

In cooperation with State Plant Board.

Miami

Office, division of foreign plant quarantines.--Customs Pier Office, Clyde Line Docks. P. O. Box 842. J. V. Gist, collaborator, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

In cooperation with State Plant Board.

Office, division of pink bollworm and Thurberia weevil control.--Federal Building. P. O. Box 2919. Telephone, 2-4223. L. F. Curl, assistant plant quarantine inspector, in charge.

Headquarters for the pink bollworm quarantine operations in Florida and Georgia.

In cooperation with the State Plant Board of Florida and the Georgia State entomologist.

Orlando

Laboratory, division of fruit insect investigations.--Fair grounds, near West Amelia and Parramore Streets. P. O. Box 491. Telephone, 3106. W. W. Yothers, entomologist, in charge.

Regional laboratory for investigations on sub-tropical fruit insects including control of citrus rust mite, white flies and the purple and Florida red scales; the effect of chemicals when used as insecticides in bait spray for fruit flies on the composition of the citrus plant and fruit.

In cooperation with the Bureau of Plant Industry and the Bureau of Chemistry and Soils, U. S. Department of Agriculture.

Laboratory, division of insects affecting man and animals.--Fair grounds, near West Amelia and Parramore Streets. P. O. Box 491. W. V. King, senior entomologist, in charge.

Biological studies of mosquitoes and buffalo gnats and studies in the control of these pests; also studies in the biology and host relationships of the Australian cattle tick.

Pensacola

Office, division of foreign plant quarantines.--Room 306, Federal Building. P. O. Box 606. Telephone, 83. P. F. Robertson, collaborator, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

In cooperation with State Plant Board.

Quincy

Laboratory, division of truck crop and garden insect investigations.--209 Washington Street. P. O. Box 239. Telephone, Quincy 243-R. F. S. Chamberlin, assistant entomologist, in charge.

Investigations of methods of control of insects affecting shade-grown tobacco.

Sanford

Laboratory, division of truck crop and garden insect investigations.--1920 Palmetto Avenue. P. O. Box 549. Telephone, Sanford 47. C. F. Stahl, entomologist, in charge.

Winter vegetable insect investigations; investigations of the control of celery pests and mole crickets, and laboratory tests with pyrethrum products.

Tampa

Office, division of foreign plant quarantines.--Room 425, Federal Building. P. O. Box 266. Telephone, M 58621. R. D. Potter, collaborator, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

In cooperation with State Plant Board.

West Palm Beach

Office, division of foreign plant quarantines.--Room 924 Comeau Building. Telephone, 4751. M. LeRoy, collaborator, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

In cooperation with State Plant Board.

FRANCE

Hyerres, Var

Laboratory, division of foreign parasite introduction.--Avenue Godillot. H. L. Parker, entomologist, in charge.

Investigations on the natural enemies of the corn borer and alfalfa weevil in Europe and of the pink bollworm in Egypt. Incidental work upon those of other crop pests, and the exportation of these enemies to the United States.

GEORGIA

Albany

Laboratory, division of fruit insect investigations.--Fair grounds, north Jefferson and Eighth Streets. Telephone, 127. G. F. Moznette, entomologist, in charge.

Investigations of the control of pecan insects with insecticides in the southeastern United States.

In cooperation with the Bureau of Plant Industry and Agricultural Engineering, United States Department of Agriculture.

Laboratory, division of fruit insect investigations.--Fair grounds. Telephone, 127. H. Spencer, entomologist, in charge.

Studies on geographical strains of Trichogramma egg parasite; mass production and utilization of this parasite for the control of the nut case bearer and other pecan insects.

In cooperation with office of State entomologist.

Atlanta

Office, division of foreign plant quarantines.--Room 332, State Capitol. T. O'Neill, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with office of State entomologist.

Office, division of domestic plant quarantines.--Room 414, New Post Office Building, Telephone, Main 3517, Extension 174. C. W. R. Davidson, agent, in charge.

Headquarters for the prevention of spread of the phony peach disease through the inspection of nurseries and their environs.

Cooperating with the States of Alabama, Arkansas, Florida, Georgia, Illinois, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, and Texas.

Cornelia

Laboratory, division of fruit insect investigations.--Banks Street. P. O. 67. Telephone, 179. W. P. Yetter, Jr., associate entomologist, in charge.

Investigations on the use of bait traps for the control of the oriental fruit moth on peach, and the development of effective bait materials.

In cooperation with the office of State Entomologist.

Dahlonega

Suboffice of Washington, D.C., office, division of plant disease control.-- Zimmer's Mountain Resort. Telephone, 3. W. V. Zimmer, Jr., agent, in charge.

State leader in cooperative control of white pine blister rust on important white pine areas in Georgia by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State entomologist.

Experiment

Laboratory, division of fruit insect investigations.--Georgia Experiment Station. Express and freight, Griffin, Ga. T. L. Bissell, collaborator, in charge.

Investigations of the pecan weevil.

In cooperation with State Experiment Station.

Fort Valley

Laboratory, division of fruit insect investigations.--Church Street. Telephone, 53. O. I. Snapp, entomologist, in charge.

Regional laboratory - Control of the peach borer in young orchard trees and in nursery stock; the peach borer with reference to the possible transmission of the phony peach disease; control of the second-brood plum curculio on peach.

In cooperation with the Bureau of Plant Industry, U. S. Department of Agriculture, and office of State entomologist.

Office, division of domestic plant quarantines.--Grounds of Hale-Georgia Farms Co., Inc. Telephone, Fort Valley 29. W. F. Turner, agent, in charge.

Headquarters for cooperative campaign for eradication of phony peach disease.

In cooperation with the Bureau of Plant Industry, U. S. Department of Agriculture, and the office of State entomologist.

Savannah

Office, division of foreign plant quarantines.--Customhouse. Telephone, 3-3221. V. C. Durham, associate plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Laboratory, division of insects affecting man and animals.--Room 403, Post Office Building. P. O. Box 22. W. E. Dove, entomologist, in charge.

Studies in the biology and control of sand flies.

Sublaboratory of Rosslyn, Va., laboratory, division of cereal and forage insect investigations.--Room 228, Post Office Building. P. O. Box 553. G. W. Barber, associate entomologist, in charge.

Studies of the corn ear worm to determine its migration and hibernation in the coastal regions of Georgia and Florida.

Tifton

Suboffice of Miami, Fla., office, division of pink bollworm and Thurberia weevil control.--Wilton Hotel, Love Avenue. P. O. Box 416. W. F. Rice, assistant plant quarantine inspector, in charge.

Field scouting and gin-trash inspection for the pink bollworm, supervision of sterilization, fumigation, and inspection of oil mills in Georgia.

In cooperation with the office of the State entomologist.

HAWAII

Honolulu

Laboratory, division of fruit insect investigations.--University of Hawaii. P. O. Box 340. Telephone, 98455. O. C. McBride, entomologist, in charge.

Regional laboratory for fruit fly investigations. Biology and host fruit relations of the Mediterranean fruit fly and its control by the use of baits, by moist heat, and by low temperatures in the movement of fruit in commerce.

In cooperation with the University of Hawaii.

Office, division of foreign plant quarantines.--New Federal Building. P. O. Box 342. H. F. Willard, senior entomologist, in charge.

Enforcement of quarantine governing the movement of fruits and vegetables from Hawaii to the mainland, and inspection and certification of plants and plant products for export.

Office, division of foreign plant quarantines.--Board of Commissioners of Agriculture and Forestry. P. O. Box 2520. L. A. Whitney, collaborator.

Enforcement of foreign plant quarantines.

In cooperation with Board of Commissioners of Agriculture and Forestry.

HUNGARY

Budapest

Laboratory, division of foreign parasite introduction.--35/a Martonhegyi utca. W. F. Sellers, assistant entomologist, in charge.

Investigations on the natural enemies of various forest insects, and the collection, rearing, and shipment of these to the United States.

IDAHO

Coeur d'Alene

Laboratory, division of forest insect investigations.--Federal Building, Fourth Street and Lakeside Avenue. Best approach is by bus from Spokane, Wash. P. O. Box 630. Telephone, 76. J. C. Evenden, entomologist, in charge.

Headquarters for bark beetle control projects on National Forests and National Parks in Idaho, Montana, Colorado, South Dakota, Utah, and Wyoming.

In cooperation with Federal Forest Service, National Park Service, and Bureau of Indian Affairs, with State Forestry Department, and with organizations of private owners of forest land.

Moscow

Laboratory, division of truck crop and garden insect investigations.--Grounds of Idaho Agricultural Experiment Station. P. O. Box 73. Telephone, Experiment Station Switchboard. T. A. Brindley, assistant entomologist, in charge.

Investigations on the biology and control of the pea weevil.

Parma

Sublaboratory of Walla Walla, Wash., laboratory, division of truck crop and garden insect investigations.--Suburbs of Parma. P. O. Box 237. Telephone, 99-W-2. F. H. Shireck, assistant entomologist, in charge.

Investigations of wireworms.

Laboratory, division of insecticide investigations.--Bureau's field laboratory. (See above.) R. H. Robinson, principal chemist, in charge.

Application of organic insecticides in control of the codling moth.

Twin Falls

Laboratory, division of truck crop and garden insect investigations.--Suburbs of Twin Falls, on Blue Lakes Boulevard. P. O. Box 1100. Telephone, 452. J. C. Chamberlin, associate entomologist, in charge.

Investigations of the beet leafhopper.

ILLINOIS

Chicago

Office, division of domestic plant quarantines.--Room 1208, New Post Office Building, 405 West Van Buren Street. Telephone, Wabash 9207, Extension 595. J. M. Corliss, agent, in charge.

Transit inspection of express, parcel post, and freight moving from, to, and through Chicago. This office is also the headquarters for transit inspection activities in the Central States, having supervision over inspectors and collaborators located in season at St. Paul, Minneapolis, Omaha, Council Bluffs, Kansas City, and other central points.

In cooperation with the State Department of Agriculture.

Office, division of foreign plant quarantines.--Room 450, U.S. Court House.
H. W. Hecker, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Urbana

Office, division of plant disease control.--Post Office Building. P. O. Box 72.
Telephone, 7-2370. R. W. Bills, agent, in charge.

Field direction and general supervision of cooperative program in Illinois to locate and destroy the common barberry which spreads black stem rust to small grain crops.

In cooperation with the College of Agriculture, University of Illinois, State Department of Agriculture, and independent agricultural agencies.

INDIANA

Lafayette

Laboratory, division of cereal and forage insect investigations.--Room 207, Post Office Building, Fourth and Ferry Streets. P. O. Box 495. Telephone, 5903. C. M. Packard, senior entomologist, in charge.

Central station for a study of the hessian fly. Coordinates annual surveys to determine current conditions throughout winter-wheat regions of the United States. Varieties of wheat resistant to the fly is under investigation. Improved methods of chinch bug control are sought and cooperation in control work is given neighboring States. White grubs and wheat and corn cutworms are studied.

In cooperation with Bureau of Plant Industry, U. S. Department of Agriculture, and Indiana, Illinois, Ohio, and Michigan Agricultural Experiment Stations, and Ohio State University.

Vincennes

Laboratory, division of fruit insect investigations.--1237 Fairground Avenue. Telephone, 1712. L. F. Steiner, assistant entomologist, in charge.

Investigations on the control of the codling moth associated with the residue problem.

In cooperation with Bureau of Chemistry and Soils, U. S. Department of Agriculture and Purdue University Agricultural Experiment Station.

Laboratory, division of insecticide investigations.--Bureau's field laboratory. (See above.) J. E. Fahey, junior chemist.

Analysis of insecticides. Determination of lead, arsenic, and nicotine in spray residues. General chemical assistance to cooperating entomologists.

West Lafayette

Office, division of plant disease control.--Purdue Experiment Station Annex. Telephone, 3804. W. E. Leer, agent, in charge.

Field direction and general supervision of cooperative program in Indiana to locate and destroy the common barberry which spreads black stem rust to small grain crops.

In cooperation with Purdue Agricultural Experiment Station, Purdue University, State Department of Agriculture, and independent agricultural agencies.

IOWA

Ames

Laboratory, division of insects affecting man and animals.--325 Walnut Avenue. P. O. Box 196. R. W. Wells, associate entomologist, in charge.

Biology and control of cattle grubs and horse bots; studies on control of stable flies and horn flies.

In cooperation with the State College.

Suboffice, Milwaukee, Wis., office, division of plant disease control.--Room 229, Agriculture Hall, Iowa State College. Telephone, 102. D. R. Lubberts, agent, in charge.

State leader in cooperative control of white pine blister rust on important white pine areas in Iowa by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Forestry Subsection, State Agricultural Experiment Station; the Experiment Station Plant Pathologist; the Director of the Agricultural Experiment Station, and the State Entomologist.

Office, division of plant disease control.--Morrill Hall, Iowa State College. Telephone, 729. D. R. Shepherd, agent, in charge.

Field direction and general supervision of cooperative program in Iowa to locate and destroy the common barberry which spreads black stem rust to small-grain crops.

In cooperation with State College of Agriculture, State Department of Agriculture, and independent agricultural agencies.

JAPAN

Yokohama

Laboratory, division of foreign parasite introduction.--Canadian-Pacific Building. P. O. Box 47. R. W. Burrell, assistant entomologist, in charge.

Investigations on the natural enemies of the oriental fruit moth and the Japanese and Asiatic beetles and the exportation of these to the United States. Incidental work is also being conducted upon other insect pests which have become established in the United States.

KANSAS

Manhattan

Laboratory, division of cereal and forage insect investigations.--1204 Fremont Street. Telephone, Manhattan 2535. R. T. Cotton, senior entomologist, in charge.

Study of control of flour mills and stored grain insect pests through fumigation; regional study of the hessian fly including the selection of resistant varieties of wheat; dry land cutworm investigations; and studies in varietal differences of alfalfa to aphid attack and the development of resistant varieties.

In cooperation with the Bureau of Plant Industry, U. S. Department of Agriculture, and with the Kansas, Nebraska, Missouri, and Oklahoma Agricultural Experiment Stations.

Laboratory, division of insecticide investigations.--Bureau's field laboratory. (See above.) H. D. Young, associate chemist.

Grain and flour fumigation studies.

Wichita

Sublaboratory of Manhattan, Kans., laboratory, division of cereal and forage insect investigations.--128 South Minneapolis Avenue. Telephone, 3-8063. J. R. Horton, entomologist, in charge.

A study of the effects of soil moisture and other ecological factors on the hessian fly and its parasites.

KENTUCKY

Winchester

Suboffice of Wash., D.C., office, division of plant disease control.--County Court House. L. W. Brown, agent, in charge.

State leader in cooperative control of white pine blister rust on important white pine areas in Kentucky by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State Forest Service and the State Entomologist.

LOUISIANA

Baton Rouge

Laboratory, division of truck crop and garden insect investigations.--Agricultural Experiment Station, State University. Telephone, Agricultural Experiment Station switchboard. C. E. Smith, associate entomologist, in charge.

Investigations of various species of cabbage worms and the turnip aphid.

In cooperation with the State Experiment Station.

Laboratory, division of bee culture.--Chemistry Building. State University. Mail address, University Station, La. W. Whitcomb, Jr., assistant apiculturist, in charge.

Research on package bees, queen-rearing, morphology and biometry, honey flora, and methods of honey production.

In cooperation with the State University.

Office, division of domestic plant quarantines.--State Capitol. W. E. Anderson, collaborator, in charge.

Direction of activities in the eradication of citrus canker from Louisiana.

In cooperation with the State Department of Agriculture and Immigration.

Crowley

Sublaboratory of Houma, La., laboratory, division of cereal and forage insect investigations.--Rice Experiment Station, 1 mile west of Crowley on the old Spanish Trail. P. O. Box 164. W. A. Douglas, junior entomologist, in charge.

Investigation of insects affecting lowland rice with particular reference to field infestation by stored rice insects and relationship of the rice stink bug to "pecky" rice, and the insect enemies of soybeans as a rotation crop for rice.

In cooperation with the Bureau of Plant Industry, U. S. Department of Agriculture, and the Rice Station of the State Agricultural Experimental Station.

Houma

Laboratory, division of cereal and forage insect investigations.--One mile west of Houma, on U. S. Highway 90 to Bayou Block, turn right, and follow Bayou to U. S. Sugar Station. P. O. Box 366. Telephone, 499. J. W. Ingram, entomologist, in charge.

Headquarters for studies on sugarcane borer and sugarcane beetle in their relation to various varieties of sugarcane, soil animalcula affecting sugarcane culture, and insect transmission of sugarcane disease. Parasitic enemies of sugarcane insects.

In cooperation with Bureau of Plant Industry, U. S. Department of Agriculture, and State Experiment Station.

Jeanerette

Sublaboratory of Houma, La., laboratory, division of cereal and forage insect investigations.--State Livestock Experiment Station. P. O. Box 214. H. A. Janes, associate entomologist, in charge.

Investigations on parasites of the sugarcane beetle and the sugarcane borer.

New Orleans

Office, division of foreign plant quarantines.--Room 308, Customhouse, 423 Canal Street. Telephone, Main 4287. W. T. Dillard, plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Laboratory, division of forest insect investigations.--Southern Forest Experiment Station, 6th floor Stern Building, 348 Baronne Street. Telephone, RA 1304 and 1305. T. E. Snyder, senior entomologist, in charge.

Investigations on control of termites and other insects infesting forest products.

Shreveport

Sublaboratory of Brownwood, Tex., laboratory, division of fruit insect investigations.--Room 606 Court House. Telephone, 2-7280. W. C. Pierce, junior entomologist, in charge.

Life histories and control of phylloxera and the obscure scale on pecan.

In cooperation with the Bureau of Plant Industry, U. S. Department of Agriculture.

Tallulah

Laboratory, division of cotton insect investigations.--Two miles south of Tallulah on U. S. Highway 65. Telephone, 49. R. C. Gaines, entomologist, in charge.

Boll weevil control with insecticides; parasites of the boll weevil; host plants other than cotton of boll weevil; effect of calcium arsenate on soils and on crops following its use; control of cotton insects such as the cotton leaf worm, the common field cricket, thrips, flea beetle, and leaf beetles.

MAINE

Auburn

District office of Augusta, Maine, suboffice, division of plant disease control.--65 Conant Avenue. Telephone, 3777. G. H. Kimball, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Auburn district by the eradication of wild and cultivated currant and gooseberry plants.

Augusta

Suboffice of Boston, Mass., Office, division of plant disease control.--Office of Forest Commissioner, State House. Telephone, 1200. W. O. Frost, associate pathologist, in charge.

State leader in cooperative control of white pine blister rust on important white pine areas in Maine by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State Forest Service and the State Agricultural College, Extension Division.

Belfast

District office of Augusta, Maine., suboffice, division of plant disease control.--146 High Street. Telephone, 485-W. H. G. Bradbury, Jr., agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Belfast district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the counties, townships, pine owners, and other local agencies.

North Bridgton

District office of Augusta, Maine., suboffice, division of plant disease control.--Lakeview Avenue. P. O. Box 63. Telephone, Bridgton 130-11. D. S. Curtis, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the North Bridgton district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Portland

Office, division of foreign plant quarantines.--United States Customhouse. G. J. Duncan, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with the United States Treasury Department.

Waterville

District office of Augusta, Maine, suboffice, division of plant disease control.--22 Edgemont Avenue. Telephone, 1226. J. M. White, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Waterville district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the counties, townships, pine owners, and other local agencies.

MARYLAND

Baltimore

Office, division of foreign plant quarantines.--Room 409, Customhouse. Telephone, Plaza 1824. L. M. Scott, associate plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Office, division of Japanese beetle control.--Room 306, Post Office Building, Calvert and Fayette Streets. Telephone, Plaza 8320, Extension 457. W. C. Armstrong, field supervisor in insect control, in charge.

Enforcement of the Japanese beetle quarantine in Maryland, the District of Columbia, and the Eastern Shore of Virginia, including supervision of inspection and certification, and nursery and greenhouse scouting.

In cooperation with the Maryland State Horticulture Department and Virginia Department of Agriculture.

Chevy Chase (Somerset)

Divisional headquarters, division of bee culture.--Headquarters, laboratory, and apiary, 423 Dorset Avenue, three blocks west of Stop 4 of the Wisconsin Avenue car line. Express and freight address, Bureau of Entomology and Plant Quarantine, U. S. Department of Agriculture, Washington, D. C. Telephone, Wisconsin 3041. J. I. Hambleton, senior apiculturist, in charge.

Investigations of controlled breeding of honeybees, diseases of bees, and problems relating to colony development and management, and general supervision of all apicultural activities of the Bureau.

Grantsville

Suboffice of Wash., D.C., office, division of plant disease control.--Telephone, 26-G-3. H. E. Yost, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in Maryland by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State Forester and the State Horticulture Department.

Hagerstown

Suboffice of Baltimore, Md., office, division of Japanese beetle control.--Office of County Agricultural Agent, basement, Court House. Telephone, 6. H. O. Windsor, agent, in charge.

Enforcement of the Japanese beetle quarantine in Allegany, Frederick, and Washington Counties, Md., including inspection and certification service, and supervision of nursery and greenhouse scouting.

In cooperation with the State Horticultural Department.

Salisbury

Suboffice of Baltimore, Md., office, division of Japanese beetle control.--Room 301, Salisbury Building and Loan Association Building, Maine and Division Streets. C. O. Kelley, agent, in charge.

Enforcement of the Japanese beetle quarantine on the Eastern Shores of Maryland and Virginia, including supervision of inspection and certification, and nursery and greenhouse scouting.

In cooperation with the Maryland State Horticultural Department and Virginia Department of Agriculture.

College Park

Laboratory, division of insecticide investigations.--University of Maryland. N. L. Drake, chemist, in charge.

Physico-chemical investigations and synthesis of organic compounds suitable as wetters and spreaders for insecticidal use.

Takoma Park

Laboratory, division of control investigations.--Bureau's laboratory. 7710 Blair Road. Express and freight address, Takoma Park, D.C. Mail address, Bureau of Entomology and Plant Quarantine, U. S. Department of Agriculture, Washington, D.C. Telephone, Shepherd 2271. F. L. Campbell, entomologist, in charge.

Investigations on the development of insecticides. General investigations in insect physiology.

Laboratory, division of fruit insect investigations.--Bureau's laboratory. (See above.) E. H. Siegler, senior entomologist, in charge.

The development and testing of new materials as substitutes for lead arsenate in codling moth control, and laboratory and field experiments on chemically treated bands for codling moth control.

Laboratory, division of insects affecting man and animals.--Bureau's laboratory. (See above.) H. S. Peters, assistant entomologist, in charge.

Studies in the biology and control of lice on poultry and birds. Studies of ectoparasites of wild animals.

Laboratory, division of insecticide investigations.--Bureau's laboratory. (See above.) H. A. Jones, assistant chemist, in charge.

Investigations of comparative toxicity of rotenone and whole extracts of derris root, cube root, and haiari stem. Studies of domestic species of Cracca. Bibliography of pyrethrum.

MASSACHUSETTS

Arlington Heights

District office of Boston, Mass., suboffice, division of plant disease control.--32 Paul Revere Road. Telephone, Arlington 2568-M. W. T. Roop, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Arlington district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Boston

Office, division of domestic plant quarantines.--Room 703, 408 Atlantic Avenue. Telephone, Hancock 4423. E. J. McNerney, agent, in charge.

Transit inspection of express, parcel post, and freight moving from, to, and through Boston, for the enforcement of domestic plant quarantines.

Office, division of foreign plant quarantines.--408 Atlantic Avenue. Telephone, Hancock 4423. W. G. Bemis, plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Office, division of Japanese beetle control.--Fourth Floor, Customhouse, Telephone, Capitol 7487. H. N. Bartley, associate entomologist, in charge.

Enforcement of Japanese beetle quarantine in New England, including supervision of inspection and certification, and nursery and greenhouse scouting. Joint corn borer and gypsy moth and brown-tail moth inspection services are also operated in these States.

Office, division of plant disease control.--Room 403. Appraisers' Stores Building, 408 Atlantic Avenue. Telephone, Hancock 5230. E. C. Filler, senior pathologist, in charge.

Field direction and general supervision of cooperative program to establish and maintain control of the white pine blister rust disease in important white pine areas in the Northeastern States by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Federal Forest Service and the National Park Service, and the States of Maine, Vermont, New Hampshire, Connecticut, Massachusetts, Rhode Island, New York, New Jersey, and Pennsylvania.

Suboffice of Boston, Mass., office, division of plant disease control.--136 State House. Telephone, Capitol 4600. C. C. Perry, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in Massachusetts by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State Department of Agriculture and the State College, Extension Division.

Office, division of plant disease control.--Administration Building, Arnold Arboretum, Jamaica Plain. L. M. Ames, agent, in charge.

Identification and classification of species and varieties of Berberis; nursery inspection; and service to nursery inspectors and horticulturists in connection with barberry eradication program.

In cooperation with Botany Department, Harvard University.

Brockton

District office of Boston, Mass., suboffice, division of plant disease control.--Room 408, 106 Main Street. Telephone, 4993. E. M. Brockway, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Brockton district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with county, townships, pine owners, and other local agencies.

Dalton

Office, division of gypsy and brown-tail moth control.--500 South Street. P. O. Box 173. Telephone, 254-M. W. W. Bancroft, principal scientific aid, in charge.

District supervision of scouting and control work against the moths in Massachusetts.

In cooperation with the State.

Great Barrington

District office of Boston, Mass., suboffice, division of plant disease control.-- Room 7, Marble Block. 274 $\frac{1}{2}$ Main Street. Telephone, 834. G. S. Doore, Agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Great Barrington district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Greenfield

Divisional headquarters, division of gypsy and brown-tail moth control.--20 Sander-son Street. Telephone, Greenfield 3648. A. F. Burgess, principal entomologist, in charge.

Headquarters for the field control work of the gypsy moth and the brown-tail moth to maintain a barrier zone, embracing over 9,000 square miles in New York east of the Hudson River, in western Vermont, in Massachusetts, and in Connecticut, to the westward spread of the gypsy moth.

In cooperation with the New England States and the Conservation Department of the State of New York. Cooperation maintained with the States of New Jersey and Pennsylvania in connection with the gypsy moth problem.

Melrose Highlands

Laboratory, division of forest insect investigations.--1156 Main Street. C. W. Collins, senior entomologist, in charge.

Research work on introduced pests of forest and shade trees and their control; including the European pine shoot moth, the beech scale, gypsy and brown-tail moths, satin moth, birch sawfly, larch case bearer, elm leaf beetle, oriental moth, and willow-leaf beetle.

Sublaboratory of Toledo, Ohio, laboratory, division of cereal and forage insect investigations.--1156 Main Street. Express and freight, Melrose, Mass. Tele- phone, Melrose 0508. D. W. Jones, entomologist, in charge.

Colonization, collection and redistribution of parasites of the European corn borer.

Springfield

Suboffice of Boston, Mass., office, division of Japanese beetle control.-- Room 328, Post Office Building. Telephone, 7-2621, Extension 37. T. M. Cannon, senior scientific aide, in charge.

Enforcement of the Japanese beetle quarantine in western Massachusetts and Vermont, including supervision of inspection and certification, and nursery and greenhouse scouting. Joint corn borer and gypsy and brown-tail moth inspection services are also operated throughout this district.

In cooperation with the State Department of Agriculture of Massachusetts and Vermont.

West Springfield

District office of Boston, Mass., suboffice, division of plant disease control.--
1499 Memorial Avenue. Telephone, 6-7204. R. E. Wheeler, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Springfield district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Worcester

District office of Boston, Mass., suboffice, division of plant disease control.--
Room 414, Federal Building, Main Street. Telephone, 3-5477. W. Clave, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Worcester district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

MEXICO

Mexico, D.F.

Laboratory, division of fruit insect investigations.--Calzada Tacuba 295. Colonia Anahuac. Express and freight shipments through V. J. Shiner, Laredo, Tex. Telephone, 706 Tacuba. A. C. Baker, principal entomologist, in charge.

Regional laboratory for investigations of biology and host fruit relations of the Mexican and other fruit flies, their control in fruit by moist heat and by low temperatures, disposal of infested fruit, the development of bait materials, and use of baits in control.

In cooperation with Oficina para la Defensa Agrícola, Secretaria de Agricultura y Fomento.

Tlahualilo, Durango.

Laboratory, division of cotton insect investigations.--Tlahualilo Ranch, Reached by National Railways of Mexico from Torreon, Coahuila, or if from El Paso, Tex., leave train at Bermejillo and telephone for automobile. C. S. Rude, assistant entomologist, in charge.

Pink bollworm investigations, including colonizing of introduced parasites, distribution and host relationships of native parasites, and hibernation studies. Incidental studies of other cotton insects and parasites of the boll weevil.

In cooperation with Oficina para la Defensa Agricola, Secretaria de Agricultura y Fomento and the Compania del Tlahualilo.

MICHIGAN

Ann Arbor

Laboratory, division of forest insect investigations.--School of Forestry and Conservation, University of Michigan. S. A. Graham, collaborator, in charge.

Investigations of the spruce budworm, larch sawfly, jack pine sawfly, white grubs in forest nurseries and plantations, and application of preventive methods through forest management.

In cooperation with Federal Forest Service and University of Michigan.

Detroit

Office, division of foreign plant quarantines.--Room 1, Customhouse. Telephone, Cadillac 5814. W. W. Wood, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Escanaba

District office of Lansing, Mich., suboffice, division of plant disease control. Telephone, 1930. J. K. Kroeber, junior forester, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Escanaba district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with Federal Forest Service and State Department of Agriculture.

Lansing

Suboffice of Milwaukee, Wis., office, division of plant disease control.--State Department of Agriculture. Telephone, 5-8144, Extension 308. E. C. Mandenberg, collaborator, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Michigan by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Federal Forest Service and State Department of Agriculture.

Office, division of plant disease control.--Room 211, Post Office Building. Telephone, 5-2322. F. B. Powers, agent, in charge.

Field direction and general supervision of cooperative program to locate and destroy the common barberry which spreads black stem rust to small grain crops in Michigan.

In cooperation with the State College of Agriculture, State Department of Agriculture, and independent agricultural agencies.

Newaygo

District office of Lansing, Mich., suboffice, division of plant disease control.--
Telephone, 38. R. I. Thompson, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Newaygo district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with Federal Forest Service and State Department of Agriculture.

Port Huron

Office, division of foreign plant quarantines.--Customhouse. E. C. Colquitt, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with United States Treasury Department.

MINNESOTA

St. Paul

Suboffice of Chicago, Ill., office, division of domestic plant quarantines.--
University Farm. Telephone, Nestor 2881, Branch 113. G. W. Nelson, agent, in charge.

Transit inspection of express, parcel post, and freight moving from, to, and through St. Paul, for the enforcement of domestic and foreign plant quarantines.

In cooperation with the State Department of Agriculture.

Suboffice of Milwaukee, Wis., office, division of plant disease control.--
Office of Commissioner of Forestry & Fire Prevention, State Office Building. Telephone, Cedar 3020. L. B. Ritter, junior forester, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Minnesota by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Minnesota Department of Conservation.

Office, division of plant disease control.--University Farm. Telephone, Nestor 2881. E. C. Stakman, agent, in charge.

Surveys of the occurrence, prevalence, and severity of stem rust in the United States as related to the barberry eradication program; testing different species and varieties of barberry for reaction to the stem rust fungus.

In cooperation with College of Agriculture, University of Minnesota.

Office, division of plant disease control.--University Farm. Telephone, Nestor 2881, Branch 95. L. W. Melander, associate pathologist, in charge.

Field direction and general supervision of cooperative program to locate and destroy the common barberry which spreads black stem rust on small grain crops in the State.

In cooperation with College of Agriculture, University of Minnesota, State Department of Agriculture, and independent agricultural agencies.

MISSISSIPPI

Biloxi

Laboratory, division of truck crop and garden insect investigations.--137 East LaMeuse Street. P. O. Box 205. Telephone, Biloxi 476. K. L. Cockerham, associate entomologist, in charge.

Investigations of the Gulf wireworm, vegetable weevil, and sweet-potato weevil.

State College

Laboratory, division of cotton insect investigations.--Room 101, Biology Building; laboratory, third floor, Agricultural Experiment Station Building. P. O. Box 121. Telephone, Starkville 450. H. C. Young, junior entomologist, in charge.

Boll weevil control tests in different sections of State; boll weevil parasites; relation of calcium arsenate and other arsenicals to various soils and to cotton and other crops grown on them; investigations on cotton flea hopper and related mirids.

In cooperation with the Bureaus of Chemistry and Soils and Plant Industry of the U. S. Department of Agriculture, the State Agricultural Experiment Station and the State Plant Board.

Stoneville

Laboratory, division of cotton insect investigations.--Delta Branch Experiment Station. Two miles from Leland and 10 miles from Greenville. Express and freight, Leland, Miss. P. O. Box 8, Leland. E. W. Dunnan, entomologist, in charge.

To study boll weevil resistant characters of varieties of cotton.

In cooperation with the Bureau of Plant Industry of the U. S. Department of Agriculture, Mississippi Agricultural Experiment Station, and Louisiana Agricultural Experiment Station.

MISSOURI

Webster Groves

Laboratory, division of cereal and forage insect investigations.--527 Ivanhoe Place. Telephone, Webster 551. A. F. Satterthwait, associate entomologist, in charge.

Life histories and economic relations of bill bugs affecting cereal and forage crops. A study of sunflower and artichoke insects, especially the seed weevils and the Lepidoptera affecting seed production.

In cooperation with State Agricultural Experiment Station.

MONTANA

Bozeman

Laboratory, division of cereal and forage insect investigations.--Campus of the Montana State College. Telephone, Montana State College 147. J. R. Parker, senior entomologist, in charge.

Central station for the study of grasshoppers injurious to agriculture. Plans for regional control of grasshoppers. Exercises general field supervision over regional control operations against grasshoppers and Mormon crickets.

In cooperation with the U. S. Department of Interior, Forest Service, the State Agricultural Experiment Station, and other Experiment Stations of the Intermountain, Pacific and Northwestern States.

Suboffice of Fargo, N. Dak., office, division of plant disease control.--Botany Department, State College of Agriculture. H. E. Morris, collaborator, in charge.

Field direction of cooperative program to locate and destroy the common barberry which spreads black stem rust to small grain crops in the district comprising North Dakota and Montana.

In cooperation with State College of Agriculture, State Department of Agriculture, and independent agricultural agencies.

Missoula

Suboffice of Spokane, Wash., office, division of plant disease control.--New Federal Building. P. O. Box 1113. C. H. Johnson, associate pathologist, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Montana by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State Department of Agriculture, State Forestry Department; School of Forestry, University of Montana; and the North Montana Forestry Association.

NEBRASKA

Lincoln

Suboffice of Brookings, S. Dak., office, division of plant disease control.--College of Agriculture. Telephone, B-6891. Extension 105 - 2 rings. M. E. Yount, agent, in charge.

Field direction of cooperative program in Nebraska to locate and destroy the common barberry which spreads black stem rust to small grain crops.

In cooperation with the College of Agriculture, University of Nebraska, State Department of Agriculture, and independent agricultural agencies.

NEW HAMPSHIRE

Concord

District office of Concord, N.H., suboffice, division of plant disease control.---
Room 5, 88 North Main Street. Telephone, 1546-W. T. J. King, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Concord district, by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Suboffice of Boston, Mass., office, division of plant disease control.--Office of State Forester, Patriot Building, 4 Park Street. Telephone, 800. L. E. Newman, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in New Hampshire by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State Forestry Commission and the State Agricultural College, Extension Division.

Exeter

District office of Concord, N.H., suboffice, division of plant disease control.--
Farm Bureau, 105 Water Street. Telephone, 630. L. C. Swain, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in Exeter district, by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Keene

District office of Concord, N.H., suboffice, division of plant disease control.--
Farmer's Exchange, Main Street. Telephone, 1158. F. J. Baker, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in Keene district, by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Lebanon

District office of Concord, N.H., suboffice, division of plant disease control.--
Room 24, Bank Block, 16 W. Park Street. Telephone, 7-W. G. F. Richardson, Jr.,
agent, in charge.

Cooperative control of white pine blister rust on important white pine areas
in Lebanon district, by eradication of wild and cultivated currant and goose-
berry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

North Conway

District office of Concord, N.H., suboffice, division of plant disease control.--
P. O. Box 436. Telephone, 98. S. H. Boomer, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas
in North Conway district, by eradication of wild and cultivated currant and
gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Woodsville

District office of Concord, N.H., suboffice, division of plant disease control.--
Farm Bureau, Pleasant Street. Telephone, 241-2. T. L. Kane, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas
in Woodsville district, by the eradication of wild and cultivated currant and
gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

NEW JERSEY

East Orange

Office, division of Japanese beetle control.--Room 202, Post Office Building.
Telephone, Orange 3-2777. H. J. Dodd, chief scientific aide, in charge.

State leader in scouting for and cooperating with the State in the eradication
of the Dutch elm disease.

In cooperation with the State Department of Agriculture and Agricultural Experi-
ment Station.

Moorestown

Divisional headquarters, division of Japanese and Asiatic beetle investigations.--
Flynn Avenue and Park Boulevard, just off the Camden-Mount Holly Pike. P. O.
Box H. Telephone, 854. C. H. Hadley, principal entomologist, in charge.

Investigations relating chiefly to the Japanese beetle, the major lines
being - biological studies, control studies, and parasite studies, and inves-
tigations relating to the Asiatic beetles, chiefly the Asiatic garden beetle,
control studies, and parasite studies.

Laboratory, division of fruit insect investigations.--Japanese and Asiatic Beetle Laboratory. P. O. Box H. Telephone, 854. (See above.) H. W. Allen, entomologist, in charge.

The study of parasites of the oriental fruit moth; reception and breeding species received from foreign countries; colonization of parasites in new areas, in cooperation with State Experiment Stations.

Morristown

Laboratory, division of forest insect investigations.--Dutch Elm Disease Laboratory, corner Ford and Franklin Streets. Telephone, 4-0373. W. D. Buchanan, junior entomologist.

Study of probable insect vectors of the Dutch elm disease, with especial reference to the smaller elm bark beetle introduced from Europe.

In cooperation with Bureau of Plant Industry, U. S. Department of Agriculture, and State Agricultural Experiment Station.

Rutherford

Suboffice of Trenton, N.J., office, division of Japanese beetle control.--Lawrence Building, 13-15 Orient Way. P. O. Box C. Telephone, 2-5896. E. H. Conrow, agent, in charge.

Enforcement of the Japanese beetle quarantine in northern New Jersey, including inspection and certification service and supervision of nursery and greenhouse scouting. Both Federal and State corn borer certification is rendered by inspectors in this area.

In cooperation with the State Department of Agriculture.

Trenton

Office, division of Japanese beetle control.--Yardville Pike, White Horse. P. O. Box 1. Telephone, 6261 and 6262. The office may be reached from Greenwood Avenue, Trenton, by means of White Horse bus. J. H. Harman, assistant entomologist, in charge.

Enforcement of the Japanese beetle quarantine in the State of New Jersey, including the supervision of inspection and certification, nursery and greenhouse scouting, and chemical treatments of quarantined articles. Both Federal and State corn borer certification is rendered by the inspectors under the supervision of the Trenton headquarters.

In cooperation with the State Department of Agriculture.

Suboffice of Boston, Mass., office, division of plant disease control.--Room 612, Mechanics National Bank Building, 1 West State Street. Telephone, 2-2131, Extension 322. P. B. Mott, agent, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in New Jersey by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State Department of Agriculture, Bureau of Plant Industry.

NEW MEXICO

Estancia

Laboratory, truck crop and garden insect investigations.--Inverness Avenue and Sixth Street. P. O. Box 348. J. R. Douglass, associate entomologist, in charge.

Investigations of the Mexican bean beetle and the bean stalk weevil under irrigated and dry land farming conditions.

Roswell

Suboffice of Alpine, Tex., office, division of pink bollworm and Thurberia weevil control. Room 211, J. P. White Building. P. O. Box 845. Telephone, 457. W. B. Rogers, assistant plant quarantine inspector, in charge.

Pink bollworm quarantine operations in the Pecos Valley of New Mexico, consisting of field scouting, gin-trash inspection, and supervision of sterilization, fumigation and oil mills.

In cooperation with the State Department of Agriculture.

Los Vegas

Sublaboratory of Tempe, Ariz., laboratory, division of cereal and forage insect investigations.--Federal Building. J. C. Frankenfeld, associate entomologist, in charge.

Parasite control of range caterpillar.

NEW YORK

Albany

Suboffice of Boston, Mass., office, division of plant disease control.--New York State Conservation Department, State Office Building. Telephone, 35511, Extension 710. H. L. McIntyre, collaborator, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in New York by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State Conservation Department and the State Agricultural College, Extension Division.

Babylon

Laboratory, division of truck crop and garden insect investigations.--Rubino Estate, North Deer Park Avenue. P. O. Box 786. Telephone, Babylon 307. F. J. Spruijt, assistant entomologist, in charge.

Investigations of the biology and control of the bulb insects and the bulb nematode, and the insect vectors of narcissus mosaic.

In cooperation with the Bureau of Plant Industry, U. S. Department of Agriculture.

Boonville

District office of Albany, N.Y., suboffice, division of plant disease control.-- Thornton Avenue. T. P. Woolschlager, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in Boonville district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Bronxville

Office, division of Japanese beetle control.--Westchester County Park Building, 72 West Pondfield Road. P. O. Box D. Telephone, Bronxville 4010. J. F. Wootten, chief scientific aide, in charge.

State leader in scouting for and cooperating with the State in the eradication of the Dutch elm disease.

In cooperation with the State Department of Agriculture and Markets.

Buffalo

Office, division of foreign plant quarantines.--Room 310, Federal Building. Telephone, Cleveland 8317. W. T. Owrey, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Gloversville

District office of Albany, N.Y., suboffice, division of plant disease control.-- Farm Bureau Office. Telephone, 3050. J. W. Charlton, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in Gloversville district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Gouverneur

District office of Albany, N.Y., suboffice, division of plant disease control.-- 48 John Street. C. B. Kresge, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in Gouverneur district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Hyde Park

District office of Albany, N.Y., suboffice, division of plant disease control.--
Kirchner Avenue. Telephone, 122. H. G. Strait, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Hyde Park district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Lewis

District office of Albany, N.Y., suboffice, division of plant disease control.--
Telephone, Elizabethtown 6-F-5. B. H. Nichols, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Lewis district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

New York

Office, division of foreign plant quarantines.--Room 844, Federal Building, Christopher Street. Telephone, Canal 6-2100. W. H. Freeman, senior plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Office, division of domestic plant quarantines.--Room 836-B, 641 Washington Street. Telephone, Canal 6-2100, Branch 293. H. J. Conkle, junior plant quarantine inspector, in charge.

Inspection of expresss, parcel post, and freight moving from, to, and through New York City, for the enforcement of domestic plant quarantines.

In cooperation with the State Department of Agriculture.

Office, division of Japanese beetle control.--Room 840, 641 Washington Street. Telephone, Canal 6-2100, Branch 288. C. H. Zimmer, agent, in charge.

Enforcement of the Japanese beetle quarantine in southeastern New York and Long Island, including supervision of inspection and certification, and nursery and greenhouse scouting. Corn borer inspection service is also maintained in this area.

In cooperation with the State Department of Agriculture and Markets.

Sand Lake

District office of Albany, N.Y., suboffice, division of plant disease control.--
Telephone, Averill Park 187. H. J. McCasland, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Sand Lake district by the eradication of wild and cultivated currant and gooseberry plants.

Saratoga Springs

District office of Albany, N.Y., suboffice, division of plant disease control.--
Farm Bureau Office, National Bank Building, Broadway. Telephone, 752. P. E. Barber, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Saratoga Springs district by the eradication of wild and cultivated currant and gooseberry plants.

Syracuse

Office, division of Japanese beetle control.--Room 332, Post Office Building.
Telephone, Syracuse 2-5111, Extension 20. J. Kelly, field supervisor in insect control, in charge.

Enforcement of the Japanese beetle quarantine in northeastern and central New York, including supervision of inspection and certification, and nursery and greenhouse scouting. Joint corn borer inspection service is also maintained in this area.

In cooperation with the State Department of Agriculture and Markets.

Walton

District office of Albany, N.Y., suboffice, division of plant disease control.--
294 Delaware Street. Telephone, 299-J-3. H. W. Holcomb, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Walton district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Warrensburg

District office of Albany, N.Y., suboffice, division of plant disease control.--
Telephone, 66. N.H. Harpp, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Warrensburg district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

District office of Albany, N.Y., suboffice, division of plant disease control.--
Farm Bureau Office. Telephone, 102. E. G. Woodward, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Warrensburg district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

NORTH CAROLINA

Asheville

Laboratory, division of forest insect investigations.--223 Federal Building.
B. H. Wilford, junior entomologist, acting in charge.

Studies of the bark beetles affecting southern pines and prevention of insect injury to forest products; tree medication for the control of bark beetles and protection of forest products from insect attack; also on the interrelation of bark beetles and bluestains.

In cooperation with Forest Service and Bureau of Plant Industry, U. S. Department of Agriculture.

Suboffice of Washington, D.C., office, division of plant disease control.--
Room 604, County Court House Building. Telephone, 6040, Extension 16. J. A. Ferree, agent, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in North Carolina by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State Department of Agriculture.

Chadbourn

Laboratory, division of truck crop and garden insect investigations.--Highway No. 50, P. O. Box 146. Telephone, Chadbourn 332. W. A. Thomas, assistant entomologist, in charge.

Investigations of cabbage worms, strawberry weevil, strawberry root aphid, and Puerto Rican mole cricket.

NORTH DAKOTA

Fargo

Office, division of plant disease control.--Room 206, Post Office Building. P. O. Box 1777. Telephone, 4903. G. C. Mayoue, associate pathologist, in charge.

Field direction and general supervision of cooperative program to locate and destroy the common barberry which spreads black stem rust to small grain crops in North Dakota and Montana.

In cooperation with the State Agricultural College, State Department of Agriculture, and independent agricultural organizations.

OHIO

Columbus

Laboratory, truck crop and garden insect investigations.--151 West 11th Avenue. Telephone, University 9910. N. F. Howard, senior entomologist, in charge.

Headquarters of bean and pea insect investigations. Investigations of the bean beetle, the bean leafhopper, and the cabbage worm, consisting principally of control measures.

Laboratory, division of forest insect investigations.--Central States Forest Experiment Station, Horticulture and Forestry Building, Ohio State University. Telephone, University, 3148, Extension 448. R. C. Hall, assistant entomologist, in charge.

Study of the locust borer in plantations and natural stands; relation of borer activity to soil, exposure, and other site factors.

In cooperation with Forest Service, U. S. Department of Agriculture, and Ohio State University, and organizations of private timberland owners.

Office, division of plant disease control.--New Federal Building. H. Atwood, in charge.

Field direction and general supervision in Ohio of cooperative program to locate and destroy the common barberry which spreads black stem rust to small grain crops.

In cooperation with College of Agriculture, Ohio State University, State Department of Agriculture, and independent agricultural agencies.

Sandusky

Laboratory, division of fruit insect investigations.--Bliss Building. Telephone, 491-J. P. O. Box 806. G. A. Runner, associate entomologist, in charge.

Headquarters for work on grape insects, including the grape berry moth and its possible control by substitute materials and by cultural practices; control measures for grape root worm and for leafhoppers.

In cooperation with the Bureau of Agricultural Engineering, U. S. Department of Agriculture, and State Agricultural Experiment Station.

Toledo

Laboratory, division of cereal and forage insect investigations.--1920 Parkwood Avenue. Telephone, Adams 4017. Express and freight address, 2021 Adams Street. Telephone, Adams 5021. W. A. Baker, senior entomologist, in charge.

Headquarters for European corn borer investigations. The life history of the insect is studied. Yearly fluctuations of infestations are under observation. The parasitic enemies of the pest are being bred and colonized in the surrounding States.

In cooperation with Bureaus of Agricultural Engineering, Plant Industry, Chemistry and Soils, Animal Industry, U. S. Department of Agriculture, and with the Illinois State Natural History Survey, Illinois Agricultural Experiment Station, and the Dominion and Provincial Entomologists of Canada.

Wooster

Laboratory, division of fruit insect investigations.--Biological Building. Ohio Agricultural Experiment Station. A. W. Crossman, associate entomologist, in charge.

Studies of the factors influencing the insecticidal value of oils including the use of oils as carriers for other insecticides.

In cooperation with the State Agricultural Experiment Station.

Laboratory, division of insecticide investigations.--Ohio Agricultural Experiment Station. L. H. Dawsey, assistant chemist, in charge.

Fundamental studies of characteristics of oil emulsions and the factors influencing their insecticidal value; preparations of emulsions containing other toxic materials in solution with oils and determination of their insecticidal efficiency.

Suboffice of Milwaukee, Wis., office, division of plant disease control.--State Agricultural Experiment Station. Telephone, 39. O. J. Dowd, junior physiologist, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Ohio by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Bureau of Plant Industry, U. S. Department of Agriculture, and the State Forester.

OREGON

Corvallis

Laboratory, truck crop and garden insect investigations.--Agricultural Experiment Station. P. O. Box 248. Telephone, Experiment Station switchboard. A. O. Larson, entomologist, in charge.

Investigations of the pea weevil as a pest of garden and Austrian peas.

Forest Grove

Laboratory, division of cereal and forage insect investigations.--Head of Third Avenue North. Telephone, 36-W. L. P. Rockwood, entomologist, in charge.

The hessian fly, wheat jointworm, pea aphid, Mormon cricket, and numerous insect pests of the clover seed crop are being studied under conditions peculiar to the Pacific Northwest. Supervision is given seasonal control operations against grasshoppers. A special study of entomophthorous fungicides being made.

In cooperation with State Board of Horticulture and Agricultural Experiment Station, and the Washington State Agricultural Experiment Station.

Medford

Sublaboratory of Salt Lake City, Utah, laboratory, division of cereal and forage insect investigations.--720 West Jackson Street. R. C. Newton, junior entomologist, in charge.

Investigation on alfalfa weevil control.

Portland

Suboffice of Spokane, Wash., office, division of domestic plant quarantines.--205 New Post Office Building, 123 North Broadway. Telephone, Broadway 5384. C. C. Peterson, agent, in charge.

Transit inspection of express, parcel post, and freight moving from, to, and through Portland, for the enforcement of domestic plant quarantines.

In cooperation with the State Department of Agriculture.

Laboratory, division of forest insect investigations.--Room 445, U. S. Court House, Sixth and Main Streets. Telephone, Atwater 6171, Extension 632. F. P. Keen, entomologist, in charge.

Headquarters of bark beetle control projects on National Forests and National Parks in Oregon and Washington. Studies of the western pine beetle, mountain pine beetle, hemlock looper, etc., and methods of control. Special studies of climatic factors influencing the abundance of bark beetles and the rise and fall of epidemics.

In cooperation with Forest Service, U. S. Department of Agriculture, National Park Service, Bureau of Indian Affairs, State Forestry Department, and organizations of private owners of forest land.

Office, division of foreign plant quarantines.--Room 439, U. S. Court House, Sixth and Main Streets. Telephone, Atwater 6171, Extension 607. T. J. Baker, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Laboratory, division of insects affecting man and animals.--Room 440, U. S. Court House, Sixth and Main Streets. H. H. Stage, associate entomologist, in charge.

Biology and control of mosquitoes in the Pacific Northwest.

PENNSYLVANIA

Carlisle

Laboratory, division of cereal and forage insect investigations.--624 Louthier Street. C. C. Hill, associate entomologist, in charge.

Headquarters for the study of the insect parasites of the Hessian fly and for the study of the host insect under eastern soft wheat cultural conditions; the sawflies of wheat, and the hairy witch bruchid.

In cooperation with State Department of Agriculture and State Agricultural Experiment Station.

Harrisburg

Divisional headquarters, division of Japanese beetle control.--2101 North Sixth Street. Telephone, Harrisburg 4-0118. L. H. Worthley, principal administrative officer, in charge.

Quarantine enforcement of Japanese beetle, European corn borer, and gypsy and brown-tail moths. Trapping in non-quarantined States to determine infestation, and chemical treatment of isolated infestations. Gypsy moth and brown-tail moth quarantine inspection and certification. Corn borer certification in compliance with State quarantines authorizing entry of restricted articles under Federal certification only. Dutch elm disease eradication and control.

In cooperation with the States of Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Virginia, and West Virginia.

Suboffice of Boston, Mass., office, division of plant disease control.--Room 408, Educational Building. Department of Forests and Waters. Telephone, 5151. Ext. 386. R. P. Fatzinger, agent, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Pennsylvania by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State Department of Forests and Waters, Bureau of Forest Protection, and State Department of Agriculture, Bureau of Plant Industry.

Philadelphia

Office, division of foreign plant quarantines.--134 South Second Street. Telephone, Lombard 2360. M. Kisliuk, Jr., plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Suboffice of Frankford Arsenal office, division of domestic plant quarantines.--134 South Second Street. Telephone, Lombard 0521. C. W. Lewis, principal scientific aide, in charge.

Checking plant material in post offices and express stations for the enforcement of domestic quarantine regulations.

Office, division of Japanese beetle control.--Frankford Arsenal, Bridge and Tacony Streets, Frankford. Telephone, Delaware 3332. C. W. Stockwell, senior administrative officer, in charge.

General supervision of the operation of branch offices in the States listed below for Japanese beetle control activities. European corn borer, gypsy moth, and brown-tail moth inspection and certification.

In cooperation with the States of Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Virginia, and West Virginia.

Office, division of Japanese beetle control.--Frankford Arsenal, Bridge and Tacony Streets, Frankford. Telephone, Delaware 3332. G. B. Stichter, agent, in charge.

Enforcement of the Japanese beetle quarantine in the eastern third of Pennsylvania, including supervision of inspection and certification, and nursery and greenhouse scouting. A joint inspection service is also maintained in the Philadelphia area for corn borer.

In cooperation with the State Department of Agriculture.

Pittsburgh

Office, division of Japanese beetle control.--Room 438, K & L, New Post Office Bldg. Telephone, Cedar 1133. J. K. Gould, agent, in charge.

Enforcement of the Japanese beetle quarantine in the western third of Pennsylvania, including supervision of inspection and certification, and nursery and greenhouse scouting. Corn borer inspection service is also maintained in the Pittsburgh area.

In cooperation with the State Department of Agriculture.

Wilkes-Barre

Office, division of gypsy and brown-tail moth control.--46 Carey Avenue. Telephone, Wilkes-Barre -3-0316. C. T. Davis, principal scientific aide, in charge.

Field control office for the Pennsylvania infestation of the gypsy moth. The work covers the control and eradication of the moth in an area embracing some 880 square miles, together with the enforcement of State quarantine.

In cooperation with the State Department of Agriculture and Department of Forests and Waters.

PUERTO RICO

Fajardo

Suboffice of San Juan office, division of foreign plant quarantines.--Customhouse, Fajardo Playa. J. A. Martinez, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with Insular Department of Agriculture and Labor.

Guanica

Suboffice of San Juan office, division of foreign plant quarantines.--N. A. Sala, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with Insular Department of Agriculture and Labor.

Mayaguez

Suboffice of San Juan office, division of foreign plant quarantines. --P. O. Box 911. A. G. Harley, assistant plant quarantine inspector, in charge.

Enforcement of quarantine governing the movement of fruits and vegetables from Puerto Rico to the mainland.

Laboratory, division of fruit insect investigations.--Puerto Rico Agricultural Experiment Station, Office of Experiment Stations, U. S. Department of Agriculture. L. C. McAllister, Jr., assistant entomologist, in charge.

Biology and host fruit relations of the West Indian species of fruit flies that occur in Puerto Rico and their control by the use of bait sprays.

In cooperation with Office of Experiment Stations, U. S. Department of Agriculture.

Ponce

Suboffice of San Juan office, division of foreign plant quarantines.--Federal Building. P. O. Box 729. R. G. Oakley, junior plant quarantine inspector, in charge.

Enforcement of quarantine governing the movement of fruits and vegetables from Puerto Rico to the mainland.

San Juan

Office, division of foreign plant quarantines.--Room 323, Ochoa Building, 1 Comercio Street. P. O. Box 223. R. Faxon, associate plant quarantine inspector, in charge.

Supervision of the Division's activities in Puerto Rico involving enforcement of foreign plant quarantines, enforcement of quarantine No. 58, and inspection and certification of plants and plant products for export.

RHODE ISLAND

Providence

Suboffice of Boston, Mass., office, division of plant disease control.-- Room 310, State House. Telephone, Dexter 2360. A. W. Hurford, agent, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Rhode Island by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State Department of Agriculture and the State College, Extension Service.

SOUTH CAROLINA

Charleston

Office, division of foreign plant quarantines.--Room 16, Customhouse. Telephone, 116. G. Gay, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Laboratory, truck crop and garden insects investigations.--South Carolina Coastal Agricultural Experiment Station. P. O. Box 324. W. J. Reid, Jr., assistant entomologist, in charge.

Investigations of cabbage insects, melon and pickle worms, and seed corn maggot.

In cooperation with the State Experiment Station.

Clemson College

Suboffice of Washington, D.C., office, division of plant disease control.--Botany Department, Clemson College. P. O. Box 66. Telephone, 131-J. J. H. Dean, agent in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in South Carolina by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State Commission of Forestry and the State Crop Pest Commission.

Fairfax

Laboratory, truck crop and garden insect investigations.--P. O. Box 126. Telephone, Fairfax 48. J. N. Tenhet, assistant entomologist, in charge.

Investigations of sandy-land wireworm affecting vegetable crops and tobacco in the Eastern coastal plain.

Florence

Laboratory, division of cotton insect investigations.--Pee Dee Substation of the South Carolina Agricultural Experiment Station, 2 miles north of Florence on U. S. Highway 601. P. O. Box 217. Telephone, 1286-J. F. F. Bondy, assistant entomologist, in charge.

Boll weevil control under South Carolina conditions; methods of preventing or reducing arsenical injury to soils; host plants of the boll weevil, life history, habits, and control of root aphids and thrips on cotton.

In cooperation with the State Experiment Station.

SOUTH DAKOTA

Brookings

Office, division of plant disease control.--Office of Extension Service. P. O. Box 66. Telephone, 331. E. O. Bulger, agent, in charge.

Field direction and general supervision of cooperative program in South Dakota and Nebraska to locate and destroy the common barberry which spreads black stem rust to small grain crops.

In cooperation with the State College of Agriculture, State Department of Agriculture, and independent agricultural agencies.

TENNESSEE

Clarksville

Laboratory, truck crop and garden insect investigations.--642 Greenwood Avenue. P. O. Box 346. Telephone, Clarksville 1168. J. U. Gilmore, assistant entomologist, in charge.

Investigations in the control of insects injurious to tobacco, including a study of the attraction of the tobacco hornworm moth to chemicals.

Knoxville

Suboffice of Washington, D.C., office, division of plant disease control.--Room 307, Federal Building. Telephone, 3-6451. W. E. Duggan, agent, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Tennessee by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State Forester, State Entomologist, and State Department of Agriculture.

TEXAS

Alamo

Suboffice of Pharr, Tex., office, division of Mexican fruit fly control.--Penry and Powers Building. F. W. Haughton, agent, in charge.

Enforcement of quarantine regulations on the Mexican fruit fly.

Alpine

Office, division of pink bollworm and *Thurberia* weevil control.--217 North Seventeenth Street. P. O. Box 847. Telephone, 332. D. M. McEachern, assistant plant quarantine inspector, in charge.

Headquarters for pink bollworm quarantine operations in the eastern area, consisting of southeastern New Mexico and all western Texas under quarantine except the El Paso Valley and the western extension.

In cooperation with the State Department of Agriculture of Texas and New Mexico.

Laboratory, division of control investigations.--217 North Sixteenth Street. P. O. Box 871. A. C. Johnson, assistant plant quarantine inspector, in charge.

Investigations on the application of fumigation and other disinfestation treatments to the pink bollworm and other insects.

Austin

Office, division of domestic plant quarantines.--State Department of Agriculture Building. J. M. Del Curto, collaborator, in charge.

Direction of activities in the eradication of citrus canker from Texas.

In cooperation with State Department of Agriculture.

Beaumont

Sublaboratory of Houma, La., laboratory, division of cereal and forage insect investigations.--Agricultural Substation No. 4, four miles west of Beaumont city limits. Telephone, 9005. A. I. Balzer, assistant entomologist, in charge.

Investigations on the insects attacking corn under east Texas conditions, including the sugarcane borer, the sugarcane beetle, etc.

In cooperation with the State Agricultural Experiment Station.

Brownsville

Laboratory, division of cotton insect investigations.--1610 Lincoln Boulevard. (Open from December to May.) Telephone, 1967. T. C. Barber, assistant entomologist, in charge.

Host plants of cotton flea hopper and related insects; winter conditions, life histories, abundance, parasites and control of cotton insects in the lower Rio Grande Valley, especially the leaf worm, cotton perforator, cotton flea hopper, and boll weevil.

In cooperation with the State Agricultural Experiment Station.

Office, division of Mexican fruit fly control.--Chamber of Commerce Building.
P. O. Box 746. Telephone, 1100. A. V. Smith, assistant plant quarantine inspector, in charge of quarantines; T. R. Stephens, junior plant quarantine inspector, in charge of Mexican relations.
Enforcement of quarantine regulation on the Mexican fruit fly.

Office, division of foreign plant quarantines.--Federal car fumigation house.
P. O. Box 909. O. D. Deputy, plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Brownwood

Laboratory, division of fruit insect investigations.--Jim Hogg Boulevard, just south of Brownwood water-pump station. P. O. Box 209. Telephone, 580. C. B. Nickels, associate entomologist, in charge.

Regional laboratory for pecan insect investigations, including control of the pecan nut case bearer; biology and control of the hickory shuck worm on pecan.

In cooperation with the Bureau of Plant Industry, U. S. Department of Agriculture.

College Station

Laboratory, division of cotton insect investigations.--Division of Entomology, Agricultural Experiment Station. P. O. Box 750, Bryan, Tex. Telephone, 73.
R. W. Moreland, assistant entomologist, in charge.

Factors influencing abundance and damage to cotton and control of bollworm; soil animals in their relation to cotton; insects in relation to cotton diseases; boll weevil hibernation studies; host plants of boll weevil other than cotton.

In cooperation with the Bureau of Plant Industry, U. S. Department of Agriculture and the State Agricultural Experiment Station.

Corpus Christi

Office, division of foreign plant quarantines.--Room 315, Federal Building. P. O. Box 45. Telephone, 73. R. L. Trigg, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Dallas

Laboratory, division of insects affecting man and animals.--4529 Reiger Avenue.
P. O. Box 208. E. W. Lanke, entomologist, in charge.

Investigations of insects injurious to animals; especially the screw worm and related flies. Studies in control of these pests by trapping and other methods.

Del Rio

Office, division of foreign plant quarantines.--International Bridge. P. O. Box 1069. H. M. Cely, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Donna

Office, division of Mexican fruit fly control.--106 South Fifth Street. P. O. Box 686. Telephone, 233. J. W. Monk, agent, in charge.

Enforcement of the quarantine regulations on the Mexican fruit fly.

Eagle Pass

Office, division of foreign plant quarantines.--Room 202, Federal Building. P. O. Box 438. Telephone, 52. J. B. R. Leary, associate plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Edinburg

Office, division of Mexican fruit fly control.--Chamber of Commerce Building. P. O. Box 1118. Telephone, 185. C. O. Gingrass, agent, in charge.

District inspection and enforcement of quarantine regulations on Mexican fruit fly.

El Paso

Office, division of pink bollworm and Thurberia weevil control.--2716 Grant Avenue. P. O. Box 97. Station A. Telephone, Main 3295. J. S. Brock, plant quarantine inspector, in charge.

Pink bollworm quarantine operations in the western area, consisting of southern New Mexico to the eastern boundary of Ctero County and the El Paso Valley of Texas.

In cooperation with the State Department of Agriculture of Texas and New Mexico.

Office, division of foreign plant quarantines.--Room 6, Federal Building. Telephone, Main 2993. T. A. Arnold, associate plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Fabens

Office, division of foreign plant quarantines.--Customhouse. P. O. Box 172. C. F. Haller, junior plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Galveston

Office, division of foreign plant quarantines.--Room 212, Customhouse. P. O. Box 177. Telephone, 2213. C. P. Trotter, associate plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Harlingen

Divisional headquarters, division of Mexican fruit fly control.--503 Rio Grande National Life Building. Telephone, 592. P. A. Hoidale, senior plant quarantine inspector, in charge.

Enforcement of the quarantine regulations on the Mexican fruit fly, involving the maintenance of a host-free period during the summer months, the inspection of about 8,000,000 citrus trees, the certification of fruits leaving the quarantined area, and the employment of other regulatory measures looking to the eradication of this pest in the United States.

In cooperation with the State Department of Agriculture.

Suboffice, division of Mexican fruit fly control.--421 South A Street. Telephone, 562. N. O. Berry, junior entomologist, in charge.

Identification of fruit flies in connection with enforcement of Mexican fruit fly quarantine.

Hidalgo

Office, division of foreign plant quarantines.--International Bridge. Telephone, 451-R. J. M. Singleton, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Houston

Office, division of foreign plant quarantines.--City Block No. 3 at foot of 75th Street. P. O. Box 685. Telephone, Wayside 3435. H. C. Millender, associate plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

La Feria

Office, division of Mexican fruit fly control.--111 Oleander Street. P. O. Box 177. Telephone, 123. J. M. Worsham, agent, in charge.

District inspector for enforcement of quarantine regulations on the Mexican fruit fly.

Laredo

Office, division of foreign plant quarantines.--Federal car fumigation house, 2115 Zaragosa Street. P. O. Box 277. Telephone, 1068. V. J. Shiner, associate plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Lubbock

Office, division of pink bollworm and *Thurberia* weevil control.--Federal Building. P. O. Box 1615. Telephone, 293. H. B. Prickett, assistant plant quarantine inspector, in charge.

Pink bollworm quarantine operations in the western extension, embracing Cochran, Gaines, Hockley, Terry, Toakum, and parts of Bailey, Dawson, and Lamb Counties, Tex., and Lea and Roosevelt Counties, N. Mex.

In cooperation with the State Department of Agriculture of Texas and New Mexico.

McAllen

Office, division of Mexican fruit fly control.--Chamber of Commerce Building. P. O. Box 1263. Telephone, 284. F. O. Swan, assistant plant quarantine inspector, in charge.

District enforcement of quarantine regulations on the Mexican fruit fly.

Menard

Sublaboratory of Dallas, Tex., laboratory, division of insects affecting man and animals.--P. O. Box 487. H. E. Parrish, assistant entomologist, in charge.

Biological studies of screw worms and control by means of trapping.

Mercedes

Office, division of foreign plant quarantines.--Thayer International Bridge. Telephone, 6016F2. L. R. Dorland, associate plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Office, division of Mexican fruit fly control.--Central Office Building. P. O. Box 32. Telephone, 305. W. W. Decell, assistant plant quarantine inspector, in charge.

District enforcement of quarantine regulations on the Mexican fruit fly.

Mission

Office, division of Mexican fruit fly control.--Old Express Office. P. O. Box 845. Telephone, 488. L. G. Plyler, assistant plant quarantine inspector, in charge.

District inspection and enforcement of quarantine regulations on the Mexican fruit fly.

Pharr

Office, division of Mexican fruit fly control.--City Hall Building. P. O. Box 500. Telephone, 15. J. W. Patterson, assistant plant quarantine inspector, in charge.

District inspection and enforcement of quarantine regulations on the Mexican fruit fly.

Port Arthur

Office, division of foreign plant quarantines.--Room 230, Adams Building. P. O. Box 197. Telephone, 3194. L. A. Frost, junior plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Port Lavaca

Laboratory, division of cotton insect investigations.--First State Bank Building. North and Colorado Streets. P. O. Box J. Telephone, 8. K. P. Ewing, assistant entomologist, in charge.

Cotton flea hopper: life history, host plants, control by insecticides and cultural practices; parasites of the boll weevil, host plants of boll weevil.

In cooperation with the State Agricultural Experiment Station.

Presidio

Office, division of foreign plant quarantines.--Customhouse. R. B. Lattimore, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Laboratory, division of cotton insect investigations.--Wilson Street, $1\frac{1}{2}$ blocks south of O'Reilly Street. Reached by Southern Pacific R. R. to Marfa, Tex., and thence 65 miles south by bus to Presidio. P. O. Box 879. Telephone, 1. A. J. Chapman, junior entomologist, in charge.

Pink bollworm: introduction and colonization of foreign parasites; study of abundance, distribution, host relationships and usefulness of native parasites; control by insecticides; cultural control; development of special machinery for cleaning fields; hibernation, and relation of temperature and moisture to survival.

In cooperation with the Bureau of Agricultural Engineering, U. S. Department of Agriculture and the State Agricultural Experiment Station.

Raymondville

Office, division of Mexican fruit fly control.--Chamber of Commerce Building. P. O. Box 371. Telephone, 73. J. K. Smith, agent, in charge.

District inspection and enforcement of quarantine regulations on the Mexican fruit fly.

Rio Grande City

Office, division of foreign plant quarantines.--Customhouse. P. O. Box 96. A. A. Stalmach, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Roma

Office, division of foreign plant quarantines.--International Bridge. P. O. Box 126. G. M. Jones, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

San Antonio

Divisional headquarters, division of pink bollworm and Thurberia weevil control.--521 Avenue A. P. O. Box 798. Telephone, Fannin 8721. R. E. McDonald, principal administrative officer, in charge.

Supervision of all district and subdistrict offices and all quarantine and control work incident to the administration of the pink bollworm and Thurberia weevil quarantines.

In cooperation with the State Department of Agriculture of the States concerned.

Laboratory, division of cereal and forage insect investigations.--137 Tompkins Avenue. P. O. Box 1077. Telephone, Kenwood 8061. E. V. Walter, associate entomologist, in charge.

A study of the insects affecting the grain sorghums, including the sorghum webworm; the seasonal fluctuations of the green bug, grasshoppers, and the southwestern corn borer; leaf cutter ants and their control.

In cooperation with the Texas and Oklahoma Agricultural Experiment Stations.

San Benito

Office, division of Mexican fruit fly control.--Federal Building. P. O. Box 7. Telephone, 50. A. Thomae, assistant plant quarantine inspector, in charge.

District inspection and enforcement of quarantine regulations on the Mexican fruit fly.

Sonora

Laboratory, division of insects affecting man and animals. P. O. Box 407, Telephone, 119. O. G. Babcock, assistant entomologist, in charge.

Investigations of goat lice, the screw worm, and the sheep head bot.

In cooperation with Texas Experiment Station.

Texarkana

Suboffice of Atlanta, Ga., office, division of domestic plant quarantines.--1903 Wood Street. P. O. Box 232. R. N. Dopson, Jr., agent, in charge.

Prevention of spread of the phony peach disease through the inspection of nurseries and their environs.

Cooperating with the States of Arkansas, Louisiana, Oklahoma, and Texas.

Uvalde

Laboratory, division of insects affecting man and animals.--224 Mulberry Street. P. O. Box 509. D. C. Parman, associate entomologist, in charge.

Investigations of screw worm and blowflies with special attention to parasites and predators.

Weslaco

Office, division of Mexican fruit fly control.--City Hall. P. O. Box 453. Telephone, 224. E. F. Pepper, assistant plant quarantine inspector, in charge.

District inspection and enforcement of quarantine regulations on the Mexican fruit fly.

Ysleta

Office, division of foreign plant quarantines.--Customs Service. P. O. Box 973. W. R. Shinn, junior plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

UTAH

Salt Lake City

Laboratory, division of cereal and forage insect investigations.--403 Federal Building. Fourth, South, and Main Streets. Telephone, Wasatch 3980. Extension 214. G. I. Reeves, senior entomologist, in charge.

A study of the alfalfa weevil to discover a means of forecasting and possibly preventing periodic outbreaks. The adaptation of known means of control to newly infested areas and the adaptation of cutting practice for weevil control.

In cooperation with the Utah, Wyoming, Colorado, Idaho, Nevada, and Oregon Agricultural Experiment Stations.

Laboratory, division of truck crop and garden insect investigations.--479 Federal Building. Telephone, Federal Building switchboard. E. W. Davis, assistant entomologist, in charge.

Investigations of the beet leafhopper.

VERMONT

Bellows Falls

District office of Montpelier, Vt., suboffice, division of plant disease control.--Room 253, Post Office Building. Telephone, 84 - M. K., F. H. Rose, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Bellows Falls district by the eradication of wild and cultivated currant and gooseberry plants.

Montpelier

Suboffice of Boston, Mass., office, division of plant disease control.--Vermont Forest Service, Statehouse. Telephone, 1500, Extension 32. P. H. Merrill, collaborator, in charge.

Cooperative control of white pine blister rust on important white pine areas in Vermont by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State Forest Service and the State Agricultural College, Extension Division.

Rutland

Office, division of gypsy and brown-tail moth control.--99 Harrington Avenue. P. O. Box 283. Telephone, 2373-J. H. N. Bean, principal scientific aide, in charge.

Supervision of scouting and control work against the moths in the Rutland district.

In cooperation with the State of Vermont.

VIRGINIA

Charlottesville

Suboffice of Washington, D.C., office, division of plant disease control.--State Forester's Office, Cabell Hall, University of Virginia. Telephone, 518. L. G. Luce, Jr., agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in Virginia by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State forester and the State entomologist.

Newport News

Office, division of foreign plant quarantines.--Customhouse. C. F. Krause, collaborator, in charge.

Enforcement of foreign plant quarantines.
In cooperation with U. S. Treasury Department.

Norfolk

Office, division of foreign plant quarantines.--Room 508, Seaboard National Bank Building, 111 West Main Street. Telephone, 2-7363. M. C. Rich, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Sublaboratory of Columbus, Ohio, laboratory, division of truck crop and garden insect investigations.--Virginia Truck Experiment Station. P. O. Box 881. L. W. Brannon, assistant entomologist, in charge.

Investigations of the bean beetle.

In cooperation with Virginia Truck Experiment Station.

Suboffice of Richmond, Va., office, division of Japanese beetle control.--Room 508, Seaboard Bank Building, 109-111 West Main Street. Telephone, 2-7363. J. S. Stockbridge, field supervisor in insect control, in charge.

Enforcement of the Japanese beetle quarantine in the counties of Elizabeth City, Nansemond, Norfolk, and Warwick, including inspection and certification service, and supervision of nursery and greenhouse scouting.

In cooperation with the State Department of Agriculture and Immigration.

Richmond

Laboratory, division of truck crop and garden insect investigations.--3303 Floyd Avenue. Telephone, 5-6865. W. D. Reed, associate entomologist, in charge.

Investigations of insects attacking stored tobacco.

Office, division of Japanese beetle control.--Room 213, Broad-Grace Arcade Building. Telephone, 3-5450. H. B. Ward, agent, in charge.

Enforcement of the Japanese beetle quarantine in Virginia and the District of Columbia, including supervision of inspection and certification, and nursery and greenhouse scouting. Inspection and certification for European corn borer.

In cooperation with the State Department of Agriculture and Immigration.

Rosslyn

Sublaboratory of Washington, D.C., laboratory, division of truck crop and garden insect investigations.--Mushroom houses, Arlington Farm & 7710 Blair Road, Takoma Park, Md. Telephone, Shepherd 2271. A. C. Davis, assistant entomologist, in charge.

Investigations of insects and mites affecting mushrooms.

Laboratory, division of cereal and forage insect investigations.--Arlington Experiment Farm. Telephone, District 6350, Extension 8577. W. H. Larrimer, senior entomologist, in charge.

Plant disease transmission and diseaselike injury caused by the insects affecting cereal and forage crops is being studied. Wheat jointworms and the corn earworm are under investigations.

In cooperation with the Bureau of Plant Industry, U. S. Department of Agriculture.

WASHINGTON

Bellingham

Office, division of foreign plant quarantines.--Room 354, Federal Building, P. O. Box 994. J. W. Stanton, junior plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Blaine

Office, division of foreign plant quarantines.--Pacific Highway Customs Station. P. O. Box 782. W. A. Harvison, junior plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Puyallup

Laboratory, division of truck crop and garden insect investigations.--2102 S. E. Meridian Avenue. P. O. Box 233. Telephone, 484. S. E. Crumb, entomologist, in charge.

Investigations of the European earwig and berry insects, including the red berry mite and the raspberry fruit worm.

Seattle

Office, division of foreign plant quarantines.--Room 540, Federal Office Building. A. G. Webb, plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Suboffice of Spokane, Wash., office, division of domestic plant quarantines.--303 County-City Building. Telephone, Main 5900, Local 270. G. A. Ganoung, agent, in charge.

Transit inspection of express, parcel post, and freight moving from, to, and through Seattle for the enforcement of domestic plant quarantines.

In cooperation with the State Department of Agriculture.

Spokane

Office, division of domestic plant quarantines.--414 Federal Building. Telephone, Main 3982. C. R. Stillinger, associate pathologist, in charge.

The enforcement of the white pine blister rust quarantine regulations in the Northwestern States, and the supervision of the inspection of express, parcel post, and freight in transit from, to, and through Spokane, Seattle, Portland, and other points.

Office, division of plant disease control.--Room 618, Realty Building, 242 Riverside Avenue. Telephone, Main 1381. S. N. Wyckoff, senior pathologist, in charge.

Field direction and general supervision of cooperative program to establish and maintain control of the white pine blister rust disease in important white pine areas in the Northwestern States, and also general field direction of all work in the Western States by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Federal Forest Service and National Park Service, the States of California, Colorado, Idaho, Montana, Oregon, Washington, and Wyoming, and the timber protective associations, pine owners, and other local agencies.

Sumner

Laboratory, division of truck crop and garden insect investigations.--Grounds of Pierce County Farm, $1\frac{1}{2}$ miles from the center of Sumner. P. O. Box 458. C. F. Doucette, associate entomologist, in charge.

Investigations of the bulb insects and bulb nematode and the vectors of narcissus mosaic.

In cooperation with the Bureau of Plant Industry, U. S. Department of Agriculture

Walla Walla

Laboratory, division of truck crop and garden insect investigations.--Three miles west of Walla Walla on Wallula Road. P. O. Box 616. Telephone, 1050. M. C. Lane, associate entomologist, in charge.

Headquarters for wireworm investigations of the Northwest; investigations of wireworms on irrigated land.

Wenatchee

Sublaboratory of Yakima, Wash., laboratory, division of fruit insect investigations.--Court House Annex. P. O. Box 1403. Telephone, 3495. M. A. Yothers, associate entomologist, in charge.

Field studies of baiting, orchard sanitation, and utilization of parasites as supplementary measures for the control of the codling moth; investigations for the control of the woolly apple aphid.

In cooperation with the Bureau of Plant Industry, U. S. Department of Agriculture, and State Agricultural Experiment Station.

Laboratory, division of insecticide investigations.--Chelan County Garage Building. S. W. Griffin, chemist, in charge.

Determination of residues from sprays containing lead, arsenic and fluorine; development of new methods for determination of lead in spray residues; spray residue removal by chemical means; field studies of new insecticides.

In cooperation with Bureau of Plant Industry, U. S. Department of Agriculture.

Yakima

Laboratory, division of fruit insect investigations.--605 South Sixteenth Avenue. P. O. Box 243. Telephone, 6444. E. J. Newcomer, senior entomologist, in charge.

Regional laboratory for apple insect investigation; testing of insecticides for codling moth control in relation to the residue problem; studies of bait materials and of bait traps, banding, and the utilization of parasites.

In cooperation with the Bureau of Plant Industry, U. S. Department of Agriculture and State Agricultural Experiment Station.

WEST VIRGINIA

Marlinton

Suboffice of Washington, D.C., office, division of plant disease control.--County Court House. Telephone, 12-2. J. M. Ashcroft, agent, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in West Virginia by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State Conservation Commission and the State Department of Agriculture.

WISCONSIN

Madison

Laboratory, division of truck crop and garden insect investigations.--1532 University Avenue. Telephone, University of Wisconsin, Branch 134-W. J. E. Dudley, Jr., entomologist, in charge.

Investigations of the pea aphid.

In cooperation with the University of Wisconsin.

Suboffice of Milwaukee, Wis., office, division of plant disease control.--Room 9 West, State Capitol. Telephone, Badger 5100. T. F. Kouba, agent, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Wisconsin by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State Department of Agriculture and the State Conservation Department.

Office, division of plant disease control.--Room 10, Post Office Building. V. O. Taylor, agent, in charge. Telephone, Fairchild 5450.

Field direction and general supervision of cooperative program in Wisconsin to locate and destroy the common barberry which spreads black stem rust to small grain crops.

In cooperation with the College of Agriculture, University of Wisconsin, State Department of Agriculture and Markets, and independent agricultural agencies.

Milwaukee

Office, division of plant disease control.--U. S. Appraiser's Stores Building. Telephone, Broadway 8600, Extension 14. H. N. Putnam, pathologist, in charge.

Regional field direction and general supervision of cooperative program to establish and maintain control of the white pine blister rust disease in important white pine areas in the Lake and Central States by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Federal Forest Service and the Indian Service, States of Iowa, Michigan, Minnesota, Ohio, Illinois, Indiana, and Wisconsin.

WYOMING

Laramie

Laboratory, division of bee culture.--Engineering Building, University of Wyoming.
Mail address, Engineering Shops, University of Wyoming. A. P. Sturtevant,
associate apiculturist, in charge.

Research on intermountain methods of beekeeping, including methods of wintering,
strength of colonies, spread of American foulbrood in commercial apiaries, etc.

In cooperation with the University of Wyoming.

Suboffice of Fort Collins, Colo., office, division of plant disease control.--
Extension Division, Agricultural College, University of Wyoming, A. E. Bowman,
collaborator, in charge.

Cooperative program to locate and destroy common barberry in Wyoming to control
black stem rust of small grain crops.

In cooperation with College of Agriculture, University of Wyoming, the State De-
partment of Agriculture, and independent agricultural agencies.

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